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Water Resources Data for South Carolina
Water Year 1980

(U.S.) Geological Survey
Columbia, SC

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U.S. Department of Commerce
National Technical Information Service
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March 3, 1849

Water Resources Data for South Carolina

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-80-1

WATER YEAR 1980

Prepared in cooperation with the State of South Carolina
and with other local and Federal agencies

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA 22161

CALENDAR FOR WATER YEAR 1980

1979

OCTOBER

S	M	T	W	T	F	S
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U.S. DEPARTMENT OF THE INTERIOR
March 3, 1849

Water Resources Data for South Carolina

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-80-1

WATER YEAR 1980

Prepared in cooperation with the State of South Carolina
and with other local and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Doyle G. Frederick, Acting Director

For information on the water program in South Carolina write to

District Chief, Water Resources Division
U.S. Geological Survey
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1835 Assembly Street
Columbia, South Carolina 29201

1981

Preface

This report was prepared by personnel of the South Carolina District of the Water Resources Division of the U.S. Geological Survey in cooperation with the State of South Carolina and with other agencies. Preparation was under the supervision of R. N. Cherry, District Chief, and J. L. Cook, Regional Hydrologist, Southeastern Region.

This report is one of a series issued state by state. The general direction for the series is by Philip Cohen, Chief Hydrologist, and R. J. Dingman, Assistant Chief Hydrologist, for Scientific Publications and Data Management.

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Water resources data for the 1980 water year for South Carolina consists of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels in wells. This report contains discharge records for 74 gaging stations; stage-only records for 10 gaging stations; stage and contents for 11 lakes and reservoirs; water quality for 33 gaging stations; and water levels for 45 observation wells. Also included are 41 crest-stage partial-record stations. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in South Carolina.

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Letters after station name designate type of data:
(d), discharge; (c), chemical; (s), sediment;
(t), water temperature; (g), gage-height; (e), elevation

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WATER RESOURCES DATA FOR SOUTH CAROLINA, 1980

INTRODUCTION

Water resources data for the 1980 water year for South Carolina consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water levels of ground water. This report contains discharge records for 74 gaging stations; stage-only records for 10 gaging stations; stage and contents for 11 lakes and reservoirs; water quality for 33 gaging stations; and water levels for 45 observation wells. Also included are data for 41 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous investigations of water quality. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in South Carolina.

Records of discharge or stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two letter State Abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report SC-80-1." For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephone 803/765-5966.

COOPERATION

The U.S. Geological Survey and organizations of the State of South Carolina have had cooperative agreements for the systematic collection of water records since 1930. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

South Carolina Water Resources Commission, C. P. Guess, Jr., Executive Director.
South Carolina Public Service Authority, W. C. Mescher, General Manager.
South Carolina Department of Highways and Public Transportation, P. W. Cobb, Chief Highway Commissioner.
City of Spartanburg, L. D. Cantrell, Chairman of Commissioners of Public Works.
City of Lancaster, Kirk Edmonds, City Engineer.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army, in collecting records for 33 gaging stations and 5 water-quality stations, Department of Energy (DOE) in collecting records for one gaging station and 3 water-quality stations, and by the Environmental Protection Agency in collecting water-quality records for 2 stations published in this report.

The following organizations aided in collecting records:

Duke Power Company; Greenwood County Electric Power Commission; South Carolina Electric and Gas Company; South Carolina Public Service Authority; and Carolina Power and Light Company.

HYDROLOGIC CONDITIONS

Streamflow was above normal for most of the 1980 water year. Heavy rains during March caused flooding over most of the state with high flows continuing on into May.

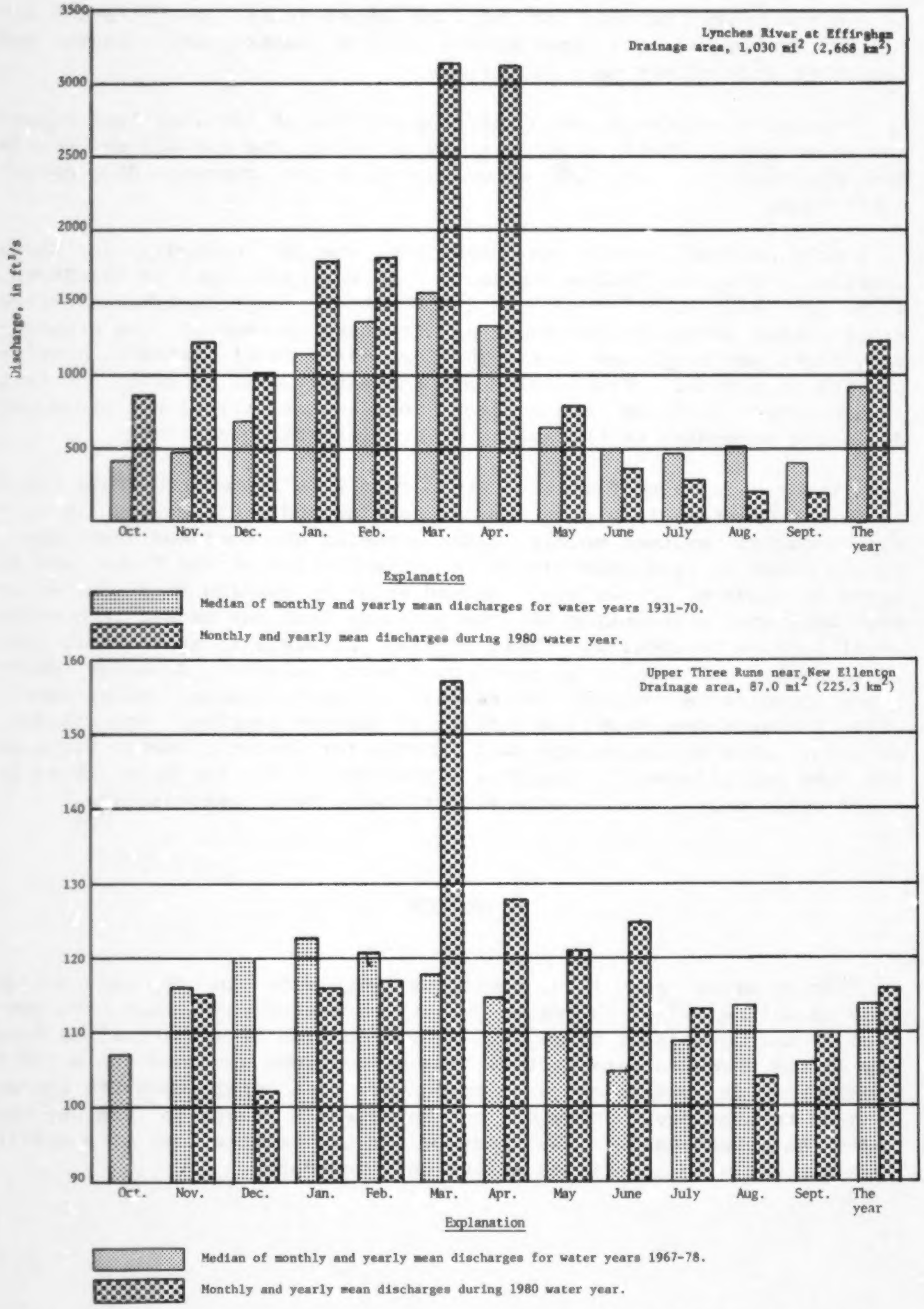


Figure 1. Comparison of discharge at two long-term representative gaging stations during 1980 water year with median discharges.

After heavy rainfall in May, no appreciable precipitation occurred during the last four months of the water-year. August and September streamflows were deficient.

Figure 1 on page 3, compiled from records of two long-term representative gaging stations shows a comparison of the monthly and yearly mean discharges for the 1980 water year with the corresponding median discharges.

Ground-water conditions have not changed markedly in South Carolina during the 1980 water year. In the upper half of the State, above the "Fall Line" known as the Piedmont, physiographic province ground water occurs in the fault and fracture systems of the crystalline rocks and in places in the shallow (10-60 feet) material overlying the hard rock. Fluctuation of the water level in wells in this part of South Carolina are subject to seasonal variation, rising or declining according to the amount of precipitation received.

The remaining half of the State that lies below the "Fall Line" is in the Coastal Plain province and here ground water occurs in multiple aquifer systems mostly under artesian or confined conditions. Ground water is used extensively in this portion of the State and in areas of heavy withdrawals of ground water by pumping from the artesian aquifers, a reduction of the pressure head has caused the water level surface to decline. This decline persists in areas where continual heavy pumping on a year-round basis exists. In areas where heavy pumping is subject to seasonal or peak demands, water levels will fluctuate upward during periods of lighter pumping. Non-artesian or water table aquifers are used mostly for domestic water supplies and are not affected by pumping. Fluctuation of the water level in these wells mostly are dependent on recharge from precipitation.

NOTICE

During water year 1978, revisions were made in the terminology used to define 143 of the water-quality parameter codes that have been used by the Geological Survey in its publication of water-quality data and in its WATSTORE data system. These revisions were made to achieve consistency in terminology and to conform to a joint USGS-EPA agreement on terminology. They do not represent a change in the way the codes have been used in the past or in the association of specific code numbers with identified analytical procedures.

Use of the new terminology began with the data for the 1978 water year, and therefore, it first appeared in the publication for that year. Definitions on which the terminology is based are included in the "Definitions" section of this report, and listings showing both old and new terminology are attached as an appendix to this report.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting English units to International System of units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water levels stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all the organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal streptococcal bacteria are bacteria found also in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3) and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 µm membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (µg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (µG/L, µg/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/l) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024 -0.004	Sedimentation
Silt..........	.004 -.062	Sedimentation
Sand..........	.062 -2.0	Sedimentation or sieve
Gravel........	2.0 -64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth ($1\mathrm{x}10^{-12}$) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields $3.7\mathrm{x}10^{-10}$ radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water or lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance in (micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest USGS topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 µm membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable" constituents are made either by analytical portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 µm membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution of suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total load (tons) is the total quantity of any individual constituent, as measured mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge times the mg/L of the constituent times the factor 0.027 times the number of days.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Water year in the Geological Survey reports is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ended September 30, 1980, is called the "1980 water year."

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBERS

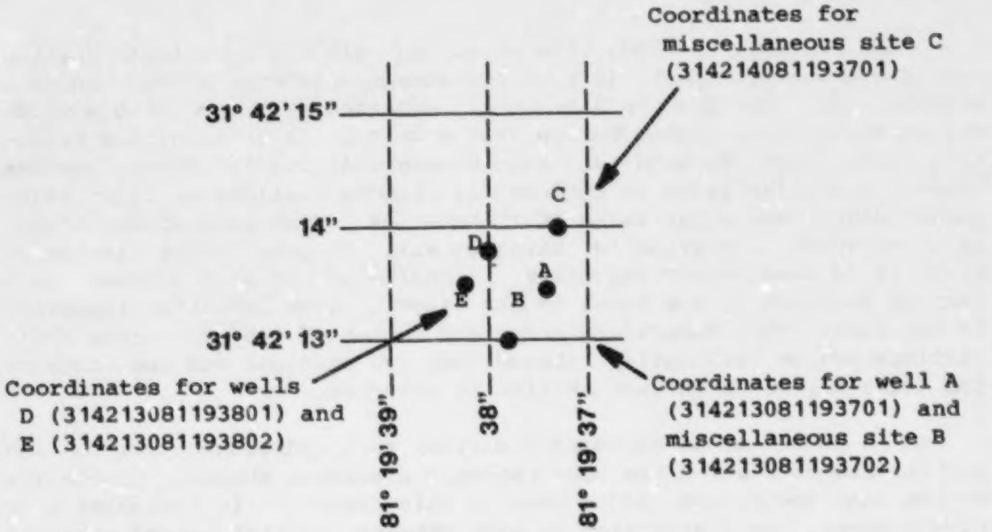
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 02175000, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number 175000.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) uniquely identify the wells or other sites within a 1-second grid. See figure 2 below.



Coordinates for
miscellaneous site C
(314214081193701)

Coordinates for wells
D (314213081193801) and
E (314213081193802)

Coordinates for well A
(314213081193701) and
miscellaneous site B
(314213081193702)

Figure 2. System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The data base collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observation of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard text-books, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964 to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figures was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Under "GAGE" are given the type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record. National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on Page 8.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at crest-stage partial-record stations follow the information for continuous record sites. Annual maximum stage and discharge is listed for each of these stations.

Accuracy of field data and computed results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurments, gage-height records, and rating tables is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Surface water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, biological determination, water temperatures, sediment discharge), period of record and, extremes of pertinent data, and general remarks.

Water analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small daily temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-head discharges.

At stations where recording instruments are used, maximum, minimum, and mean temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross-sections.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

The ground-water level data published in this report is from a basic network of observation wells located across the State (fig. 4). These wells penetrate and receive water from various aquifers and supply the most significant data on the regional ground-water conditions of the State.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs (fig. 2).

Each observation well is equiped with a digital tape recorder which automatically punches the depth to water in a well hourly. The recorders are checked periodically and the depth to water verified by tape measurements. Mechanical failures or other causes will interrupt the record or cause false values to be recorded which must be corrected. The blank spaces in the hydrographs are the results of such loss of record.

The hydrographs were plotted using the measurement of the mean value for each fifth day. Because this is a change from previous years, only the hydrograph for the 1979-80 water year is published.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum of 1929 is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description.

Water levels are reported to two significant figures. The accuracy of the measurement depends on the depth to water. The error increases with greater depths so that measurements of water levels one hundred feet or greater probably are not accurate to the degree indicated. However, successive measurements of water levels in a well by means of a recorder to determine net changes in the water level are considered to be that accurate.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

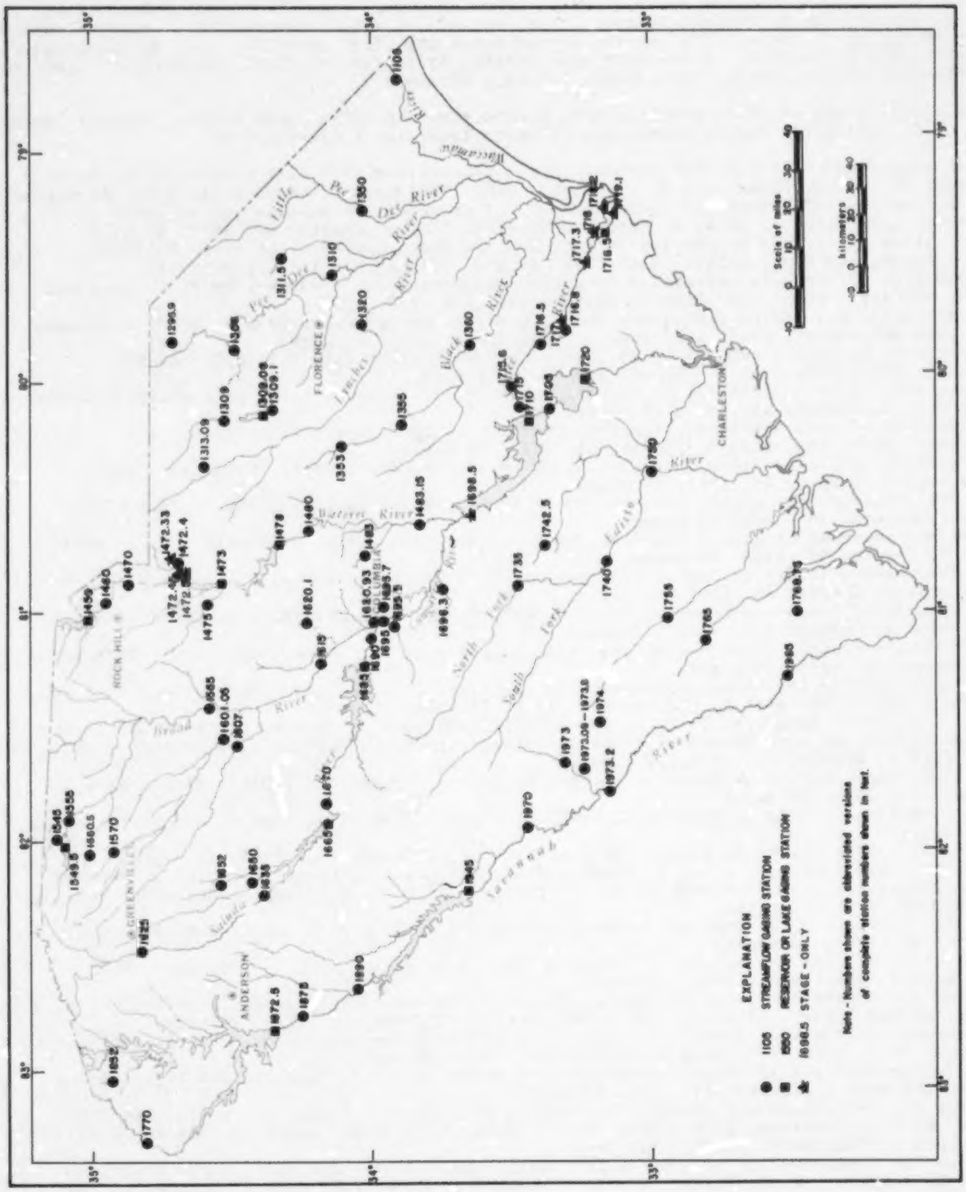

EXPLANATION
● 1105 STREAMFLOW GAGING STATION
■ 1300 RESERVOIR OR LAKE GAGING STATION
▲ 1698.5 STAGE - ONLY
Note - Numbers shown are abbreviated versions of complete station numbers shown in text.
Scale of miles
kilometers
ROCK HILL
GREENVILLE
ANDERSON
COLUMBIA
FLORENCE
CHARLESTON
Broad River
Saluda River
Savannah River
Wateree River
Pee Dee River
Little Pee Dee River
Lynches River
Black River
North Fork
South Fork
Edisto River
Waccamaw
35°
34°
33°
79°
80°
81°
82°
83°

Figure 3. Map of South Carolina showing location of active streamflow and reservoir or lake gaging stations.

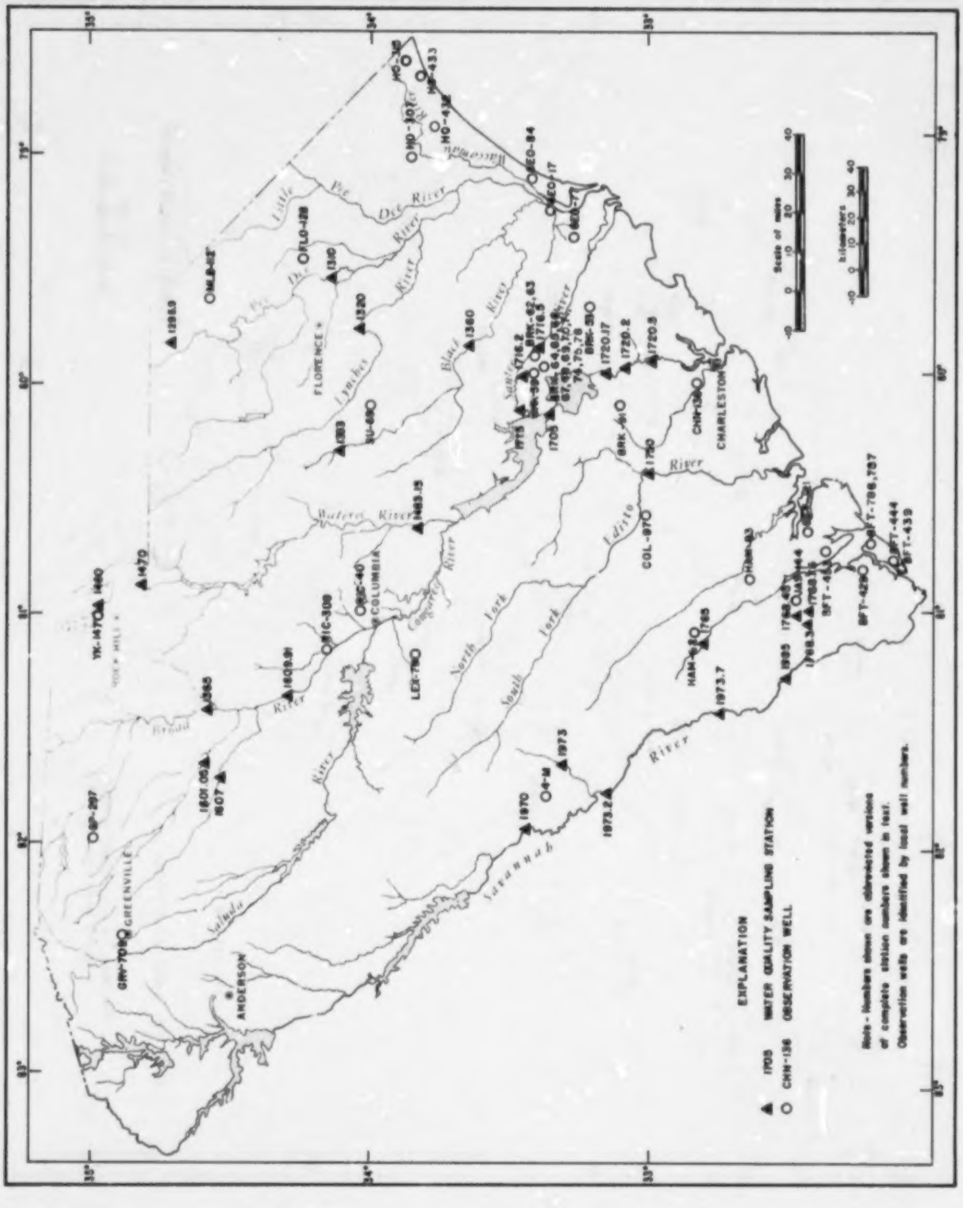

EXPLANATION
▲ 1705 WATER QUALITY SAMPLING STATION
○ CHN-136 OBSERVATION WELL
Note - Numbers shown are abbreviated versions of complete station numbers shown in text.
Observation wells are identified by local well numbers.
Scale of miles
Kilometers
GREENVILLE
ANDERSON
ROCK HILL
COLUMBIA
FLORENCE
CHARLESTON
Savannah River
Saluda River
Broad River
Congaree River
Wateree River
Lynches River
Black River
Pee Dee River
Little Pee Dee River
Santee River
Edisto River
North Fork
South Fork
Waccamaw
GRV-708
SP-297
YK-147
LEX-79
RIC-308
SU-68
FLO-128
HO-433
GEO-84
GEO-17
BRK-62,63
BRK-61
CHN-136
COL-97
HAM-63
BFT-444
BFT-439
BFT-429
BFT-786,787
1970
1973
1973.2
1973.7
1965
1607
1601.05
1603.81
1565
1470
1460
1463.15
1360
1320
1310
1283
1705
1715
1716.2
1716.3
1720.17
1720.2
1720.3
1750
1765
35°
34°
33°
79°
80°
81°
82°
83°

Figure 4. Map of South Carolina showing locations of active water quality stations and ground water wells.

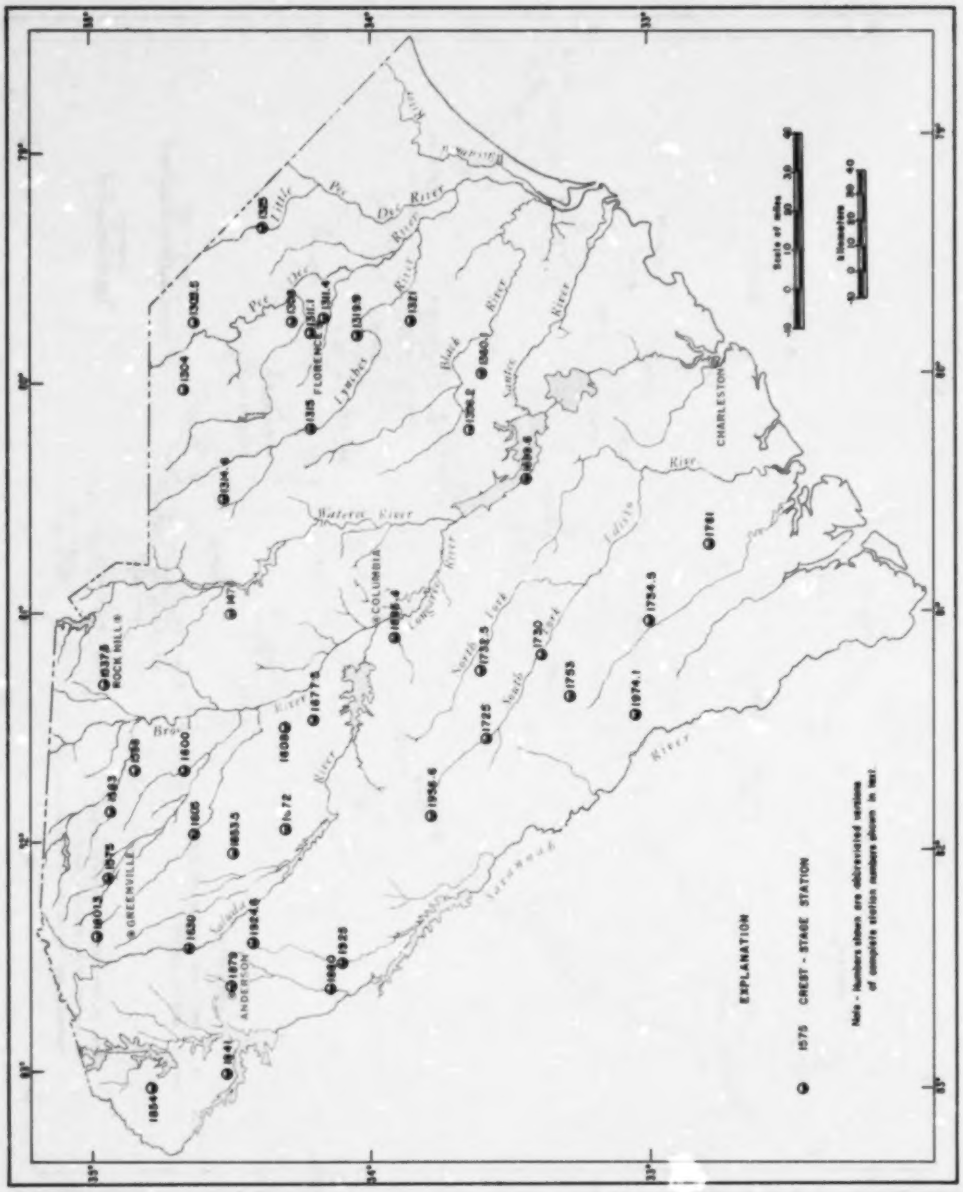

EXPLANATION
1575 CREST - STAGE STATION
Note - Numbers shown are abbreviated versions of complete station numbers shown in text
Scale of miles
0 10 20 30 40
Kilometers
0 10 20 30 40
CHARLESTON
COLUMBIA
FLORENCE
ROCK HILL
GREENVILLE
ANDERSON
Little Pee Dee River
Pee Dee River
Lynches River
Black River
Santee River
Wateree River
Congaree River
Broad River
Saluda River
Savannah River
Edisto River
North Fork
South Fork
1325
1302.5
1304
1309
1311.1
1311.4
1319.9
1321
1315
1314.6
1350.1
1356.2
1696.4
1470
1678.4
1677.5
1608
16.72
1600
1605
1603.5
1598
1563
1575
1601.2
1630
1924.6
1879
1920
1925
1841
1854
1956.6
1725
1732.5
1730
1753
1974.1
1734.5
1781

Figure 5. Map of South Carolina showing location of crest-stage stations.

WACCAMAW RIVER BASIN

02110500 WACCAMAW RIVER NEAR LONGS, S.C.

LOCATION.--Lat 33°54'45", long 78°42'55", Horry County, Hydrologic Unit 03040206, near right bank on downstream side of bridge on State Highway 9, 500 ft (152 m) downstream from Buck Creek, 2.1 mi (3.4 km) southeast of Longs, and at mile 85.4 (137.4 km).

DRAINAGE AREA.--1,110 mi^2 (2,875 km^2), approximately.

PERIOD OF RECORD.--March 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5.28 ft (1.609 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 1,223 ft^3/s (34.64 m^3/s), 14.96 in/yr (380 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,100 ft^3/s (314 m^3/s) about July 6, 1961, gage height, 13.94 ft (4.249 m) (from floodmark); minimum, 1 ft^3/s (0.03 m^3/s) Oct. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,210 ft^3/s (176 m^3/s) Mar. 24, gage height, 12.24 ft (3.731 m); minimum, 24 ft^3/s (0.68 m^3/s) Sept. 18, 19, gage height, 0.62 ft (0.189 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3320	338	914	1050	2340	1560	4920	790	623	45	62	48
2	3310	306	990	1000	2340	1500	4720	726	642	41	56	44
3	3130	278	1070	964	2320	1450	4680	664	658	39	49	40
4	2970	253	1140	927	2300	1380	4780	612	664	45	42	36
5	2960	231	1190	911	2260	1370	4920	562	650	74	36	34
6	2910	213	1280	886	2250	1460	5020	517	616	91	32	32
7	2790	198	1530	860	2270	1530	5100	469	559	101	32	30
8	2640	186	1570	839	2260	1630	5150	426	487	98	31	30
9	2480	177	1550	848	2220	1850	5100	405	400	92	34	37
10	2310	168	1540	856	2370	1950	4920	366	318	82	55	37
11	2130	163	1560	868	2470	2050	4640	325	250	71	52	30
12	1980	179	1610	958	2410	2190	4320	288	199	62	41	27
13	1840	188	1670	990	2350	3040	3970	256	163	54	38	26
14	1690	199	1760	1080	2320	3700	3630	230	133	50	32	25
15	1550	216	1820	1180	2340	3820	3310	207	111	47	28	26
16	1430	238	1870	1250	2390	3920	2930	187	95	43	26	25
17	1330	265	1870	1320	2400	4090	2580	169	83	39	31	24
18	1260	294	1820	1410	2370	4620	2260	169	79	36	32	24
19	1200	325	1760	1550	2340	5000	2010	178	75	34	29	31
20	1120	349	1700	1620	2270	5150	1820	168	67	31	32	38
21	1040	366	1630	1670	2200	5380	1650	198	62	29	40	32
22	963	378	1560	1700	2120	5690	1500	227	58	27	49	33
23	881	382	1500	1800	2100	5970	1360	269	58	26	63	36
24	801	376	1420	1890	2050	6110	1280	327	57	26	73	37
25	721	365	1380	1910	1980	6190	1190	440	57	26	78	38
26	644	514	1330	1910	1900	5990	1110	502	60	26	79	38
27	573	713	1290	2040	1800	5690	1030	547	58	44	76	42
28	513	745	1240	2150	1720	5340	967	579	53	44	70	48
29	460	790	1180	2160	1630	5270	897	593	50	47	65	59
30	413	846	1130	2150	---	5210	851	597	48	68	59	68
31	373	---	1090	2220	---	5150	---	606	---	69	54	---
TOTAL	51732	10239	44964	42967	64090	115250	92615	12599	7433	1607	1476	1075
MEAN	1669	341	1450	1386	2210	3718	3087	406	248	51.8	47.6	35.8
MAX	3320	846	1870	2220	2470	6190	5150	790	664	101	79	68
MIN	373	163	914	839	1630	1370	851	168	48	26	26	24
CFSM	1.50	.31	1.31	1.25	1.99	3.35	2.78	.37	.22	.05	.04	.03
IN.	1.73	.34	1.51	1.44	2.15	3.86	3.10	.42	.25	.05	.05	.04

CAL YR 1979 TOTAL 629351 MEAN 1724 MAX 7420 MIN 47 CFSM 1.55 IN 21.09
WTR YR 1980 TOTAL 446047 MEAN 1219 MAX 6190 MIN 24 CFSM 1.10 IN 14.95

02129590 WHITES CREEK NEAR WALLACE, S.C.

LOCATION.--Lat 34°45'20", long 79°53'00", Marlboro County, Hydrologic Unit 03040201, on the upstream side of the U.S. Highway 1 bridge, 100 ft (30 m) downstream from lake spillway, and 3.0 miles (4.8 km) northwest of Wallace.

DRAINAGE AREA.--26.4 mi^2 (68.4 km^2).

PERIOD OF RECORD.--Current year.

GAGE.--Water-stage recorder. Altitude of gage is 100 ft (30.5 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 278 ft^3/s (7.87 m^3/s) March 29, gage height, 4.94 ft (1.506 m); minimum, 1.8 ft^3/s (0.051 m^3/s) Aug. 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	19	32	33	45	27	166	32	12	6.7	4.3	2.5
2	105	22	29	43	45	29	126	31	10	5.3	4.4	2.2
3	71	58	28	37	41	28	104	30	9.4	4.3	3.7	2.9
4	54	100	28	28	37	33	93	28	8.5	7.4	3.5	2.8
5	61	115	28	25	34	47	83	25	7.4	11	3.4	2.3
6	70	72	31	23	36	62	76	23	6.6	7.2	3.0	2.2
7	80	47	36	23	39	66	70	21	6.2	6.0	2.6	2.6
8	65	34	38	28	43	66	67	19	6.2	6.0	2.2	2.5
9	45	31	41	46	50	69	68	17	5.6	5.4	3.1	2.7
10	34	29	35	57	82	68	65	16	5.3	5.8	3.6	2.8
11	29	45	29	91	97	59	61	17	5.1	6.2	3.6	2.9
12	28	90	27	108	89	48	56	16	4.9	5.1	3.9	2.2
13	29	149	27	97	63	94	69	15	4.6	5.3	4.1	2.3
14	30	108	27	97	49	130	118	15	4.4	4.9	3.7	2.2
15	28	71	26	93	43	107	179	15	4.4	4.1	3.2	2.2
16	28	54	29	89	42	68	132	13	4.6	3.9	3.2	2.5
17	28	46	29	73	43	56	91	13	5.6	3.6	3.4	2.4
18	26	41	29	70	42	102	69	19	11	6.4	3.5	2.7
19	23	39	30	78	41	120	61	19	15	4.6	5.8	3.2
20	22	36	27	80	37	112	56	26	14	10	7.2	3.5
21	20	35	24	69	34	137	53	36	19	17	6.0	4.1
22	20	33	24	56	34	151	50	34	14	9.7	5.8	5.3
23	20	32	23	79	35	116	45	41	9.2	7.4	5.3	5.4
24	20	31	24	95	45	89	42	36	8.0	6.2	4.8	5.8
25	19	31	28	92	45	99	38	35	8.5	5.4	4.8	9.2
26	21	39	28	67	40	99	35	63	8.9	6.2	4.4	8.9
27	20	45	31	54	33	83	34	71	11	6.0	4.0	8.5
28	19	59	29	49	28	81	32	39	12	5.1	3.6	9.2
29	19	59	25	47	26	246	31	23	11	4.8	3.1	12
30	20	42	24	44	---	268	32	16	8.9	4.3	2.9	21
31	20	---	31	45	---	209	---	13	---	3.9	2.8	---
TOTAL	1238	1612	897	1916	1318	2969	2202	817	261.3	195.2	122.9	141.0
MEAN	39.9	53.7	28.9	61.8	45.4	95.8	73.4	26.4	8.71	6.30	3.96	4.70
MAX	164	149	41	108	97	268	179	71	19	17	7.2	21
MIN	19	19	23	23	26	27	31	13	4.4	3.6	2.2	2.2

WTR YR 1980 TOTAL 13689.4 MEAN 37.4 MAX 268 MIN 2.2

02129590 WHITE CREEK NEAR WALLACE, S.C.--Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURE: Maximum >31.5°C June 5, 1980; minimum 1.0°C Mar. 2-3, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum >31.5°C June 5; minimum 1.0 Mar. 2-3.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	17.0	15.5	16.0	9.5	7.5	8.0	7.5	7.0	7.5
2	---	---	---	17.0	15.5	16.5	7.5	6.0	7.0	7.0	6.5	7.0
3	---	---	---	17.0	15.0	16.5	6.0	5.0	5.5	7.0	6.0	6.5
4	---	---	---	15.0	13.0	14.0	5.5	4.0	4.5	6.5	6.0	6.0
5	---	---	---	13.0	11.5	12.0	5.0	3.5	4.0	6.0	5.5	5.5
6	---	---	---	11.5	10.0	10.5	4.5	4.5	4.5	6.0	4.5	5.0
7	---	---	---	12.0	10.0	10.5	5.5	4.5	5.0	5.0	4.5	5.0
8	---	---	---	10.5	9.0	10.0	6.5	5.0	6.0	5.0	5.0	5.0
9	---	---	---	12.0	9.5	10.5	6.5	5.5	6.0	5.5	5.0	5.5
10	---	---	---	15.0	10.5	12.5	6.0	4.5	5.5	6.0	5.0	5.5
11	---	---	---	15.5	14.0	15.0	6.0	5.0	5.5	7.0	6.0	6.0
12	---	---	---	14.0	12.0	13.0	7.0	5.5	6.0	7.5	6.5	7.0
13	---	---	---	12.0	11.5	12.0	8.0	6.5	7.0	7.0	6.0	6.5
14	---	---	---	11.5	10.5	11.0	9.0	8.0	9.0	6.0	5.5	5.5
15	---	---	---	11.0	9.0	10.0	8.5	7.5	8.0	7.0	5.0	6.0
16	---	---	---	10.5	9.5	10.0	7.5	7.5	7.5	8.0	6.5	7.0
17	---	---	---	10.5	8.5	10.0	7.5	6.5	7.0	8.0	7.5	7.5
18	---	---	---	10.5	9.5	10.0	6.5	5.5	6.0	8.5	7.5	8.0
19	---	---	---	10.5	9.5	10.0	7.0	5.0	5.5	9.5	7.5	8.5
20	---	---	---	12.0	9.5	10.5	6.0	5.0	5.5	9.5	8.0	8.5
21	---	---	---	11.5	10.0	10.5	5.5	5.0	5.5	9.5	8.0	9.0
22	---	---	---	11.5	10.5	11.0	5.5	5.0	5.5	9.0	8.5	9.0
23	20.5	19.0	20.0	13.0	11.5	12.0	7.0	5.5	6.5	10.0	9.0	9.5
24	19.5	17.5	18.5	15.0	13.0	13.5	8.5	7.0	7.5	9.0	8.0	8.5
25	18.0	16.5	17.5	16.0	14.5	15.0	9.0	8.5	8.5	8.0	7.5	7.5
26	17.5	16.0	16.5	16.5	14.5	15.5	9.5	8.0	8.5	8.5	7.5	8.0
27	16.0	14.0	15.0	16.0	14.5	15.0	9.5	8.0	8.5	8.0	7.5	8.0
28	15.0	13.0	14.0	14.5	13.0	14.0	9.0	8.0	8.5	7.5	7.0	7.5
29	16.5	13.5	14.5	14.0	11.5	13.0	9.0	7.5	8.0	8.0	7.0	7.5
30	18.0	14.5	16.0	12.0	8.5	10.5	8.0	7.0	7.5	7.5	5.5	6.5
31	17.0	15.5	16.0	---	---	---	7.5	7.0	7.5	6.0	5.0	5.5

02129590 WHITE CREEK NEAR WALLACE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.5	3.0	4.0	10.0	5.5	8.0	19.0	16.0	17.5	22.0	19.5	21.0
2	4.0	2.5	3.0	5.5	1.0	3.0	18.5	17.0	17.5	23.5	20.0	21.5
3	3.5	2.5	3.0	3.5	1.0	2.0	19.0	17.0	18.0	22.5	21.0	21.5
4	3.5	3.0	3.5	4.5	3.0	3.5	20.5	18.5	19.5	25.0	21.0	23.0
5	4.5	3.5	3.5	5.0	4.0	4.5	20.5	18.5	19.5	24.0	21.5	22.5
6	4.0	3.5	3.5	7.0	5.0	5.5	19.0	17.0	18.0	25.5	21.5	23.5
7	4.0	3.0	3.5	7.5	6.0	7.0	19.0	17.5	18.5	25.5	22.0	23.5
8	4.0	3.5	3.5	9.5	7.5	8.5	19.5	18.0	18.5	25.5	23.5	24.5
9	3.5	3.0	3.5	13.5	9.5	11.5	21.0	18.0	19.5	23.5	21.5	22.5
10	3.5	2.0	3.0	13.5	12.0	12.5	21.5	19.5	20.5	24.0	20.0	22.5
11	3.5	3.0	3.0	14.5	12.5	13.5	21.5	19.5	20.5	24.0	21.0	22.5
12	4.0	3.0	3.5	13.5	10.5	12.0	21.0	19.5	20.0	25.5	22.0	23.5
13	4.5	3.5	4.0	10.5	8.0	9.5	21.0	20.0	20.5	27.5	24.0	26.0
14	5.5	3.5	4.5	11.5	8.5	10.0	21.0	20.0	20.5	27.5	25.5	26.5
15	6.0	4.0	5.0	11.5	10.0	11.0	20.0	17.0	18.5	27.0	24.5	26.0
16	6.5	5.5	6.0	12.5	10.5	11.5	18.0	15.5	17.0	27.0	24.0	25.5
17	6.5	5.0	6.0	14.5	12.0	13.5	18.0	16.0	17.0	25.5	22.0	25.0
18	6.0	4.5	5.5	17.0	14.0	15.5	19.0	16.5	17.5	27.5	23.5	25.0
19	7.0	4.5	5.5	16.5	14.5	15.5	20.0	17.5	18.5	28.0	25.0	26.5
20	6.5	5.5	6.5	16.0	15.0	15.5	22.0	18.5	20.5	27.5	23.5	26.5
21	8.0	6.0	7.0	17.5	15.0	16.0	23.0	19.0	21.0	27.0	23.5	25.0
22	10.0	8.0	9.0	17.0	14.5	15.5	22.5	19.5	21.0	27.0	25.0	26.0
23	13.0	10.0	11.0	15.5	13.5	14.5	23.5	19.5	21.0	27.5	24.5	26.0
24	14.5	12.0	13.5	14.0	13.5	14.0	23.5	21.5	22.5	26.5	19.5	24.0
25	15.0	12.5	14.0	15.5	13.0	14.0	25.5	22.0	23.5	25.0	15.5	22.0
26	12.5	10.5	11.5	16.0	14.5	15.0	24.5	23.0	24.0	23.5	13.5	20.5
27	11.0	9.5	10.0	17.5	14.5	16.0	24.0	22.5	23.5	23.0	17.5	21.0
28	10.0	9.0	9.5	17.0	15.0	16.5	23.5	22.0	22.5	23.5	16.5	21.0
29	11.0	9.0	10.0	16.5	14.0	15.5	22.0	20.5	21.5	26.0	20.5	23.5
30	---	---	---	15.5	14.5	15.0	22.0	20.5	21.0	28.5	22.5	26.0
31	---	---	---	18.0	15.0	16.0	---	---	---	29.5	26.0	27.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	29.0	26.0	28.0	31.0	27.0	---	---	---	---	31.0	28.5	---
2	30.0	26.5	28.0	31.0	28.0	---	---	---	---	31.0	29.5	---
3	31.0	27.5	29.0	30.0	28.5	29.0	---	---	---	31.0	31.0	---
4	31.0	28.0	---	---	---	---	---	---	---	31.0	28.5	---
5	31.5	25.0	29.0	---	---	---	---	---	---	31.0	28.0	---
6	29.5	23.0	26.5	---	---	---	---	---	---	31.0	28.0	---
7	29.0	23.0	26.0	---	---	---	---	---	---	31.0	29.0	---
8	30.0	25.0	27.5	---	---	---	---	---	---	31.0	28.5	---
9	28.5	23.0	26.0	---	---	---	---	---	---	31.0	27.5	---
10	---	---	---	---	---	---	---	---	---	28.5	27.0	27.5
11	---	---	---	---	---	---	---	---	---	29.0	26.0	27.5
12	---	---	---	---	---	---	---	---	---	31.0	26.0	---
13	---	---	---	---	---	---	---	---	---	29.0	25.5	27.5
14	---	---	---	---	---	---	31.0	31.0	31.0	31.0	26.5	---
15	---	---	---	---	---	---	31.0	31.0	31.0	31.0	26.5	---
16	---	---	---	---	---	---	31.0	31.0	31.0	28.5	27.0	27.5
17	---	---	---	---	---	---	31.0	29.5	30.5	27.5	25.0	26.5
18	---	---	---	---	---	---	31.0	29.0	30.0	27.0	24.5	25.5
19	---	---	---	---	---	---	31.0	29.0	30.0	27.0	25.0	26.0
20	---	---	---	---	---	---	31.0	28.5	30.0	26.5	25.5	26.0
21	---	---	---	---	---	---	30.5	30.5	30.5	28.0	25.0	26.5
22	---	---	---	---	---	---	30.5	29.0	30.0	28.0	25.5	27.0
23	---	---	---	---	---	---	31.0	27.5	---	28.5	26.0	27.5
24	---	---	---	---	---	---	31.0	27.5	---	28.5	26.5	27.5
25	---	---	---	---	---	---	31.0	27.0	---	27.5	25.5	26.5
26	---	---	---	---	---	---	31.0	27.0	---	28.5	26.0	27.0
27	---	---	---	---	---	---	31.0	27.0	---	26.5	24.0	25.0
28	---	---	---	---	---	---	31.0	27.0	---	24.0	22.0	23.0
29	---	---	---	---	---	---	31.0	26.5	---	22.0	20.5	21.0
30	31.0	27.5	---	---	---	---	31.0	27.5	---	20.5	20.0	20.0
31	---	---	---	---	---	---	31.0	28.0	---	---	---	---
YEAR	31.5	1.0	15.0									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

02130000 PEE DEE RIVER AT CHERAW, S.C.

LOCATION.--Lat 34°42'28", long 79°52'26", Chesterfield County, Hydrologic Unit 03040201, 1.0 (1.6 km) east of Cheraw, S.C. on side of bridge on U.S. Highway 1.

PERIOD OF RECORD.--Water year 1980.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: November 1979 to current year.

INSTRUMENTATION.--Servo Programmer since November 1979.

EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURE: Maximum >31.0°C several days Aug., Sept., 1980; minimum 0.5°C Mar. 3, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum >31.0°C several days Aug., Sept.; minimum 0.5°C Mar. 3.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1				---	---	---	12.0	10.5	11.0	9.0	8.0	8.5
2				---	---	---	11.0	9.0	10.0	9.5	6.5	8.0
3				---	---	---	9.5	8.0	8.5	8.5	7.0	7.5
4				---	---	---	9.5	7.5	8.5	8.0	7.0	8.0
5				---	---	---	11.0	8.0	9.0	8.0	6.5	7.5
6				---	---	---	10.0	9.0	9.5	8.0	6.0	7.0
7				---	---	---	11.0	9.5	10.0	7.0	4.5	5.5
8				---	---	---	10.5	8.5	9.5	7.0	5.5	6.5
9				---	---	---	10.5	8.5	9.5	7.0	6.5	7.0
10				---	---	---	9.5	7.0	8.0	7.5	6.0	6.5
11				---	---	---	9.5	7.5	8.5	7.5	6.5	7.0
12				---	---	---	10.0	8.0	9.0	7.0	6.0	6.5
13				---	---	---	10.0	8.5	9.5	6.5	6.0	6.5
14				---	---	---	10.5	9.0	10.0	6.5	6.0	6.0
15				---	---	---	10.0	8.5	9.0	7.0	5.5	6.0
16				---	---	---	9.5	8.5	9.0	7.0	6.0	6.5
17				---	---	---	8.5	7.5	8.0	7.0	6.0	6.5
18				12.5	8.5	10.0	8.0	7.0	7.5	7.0	6.5	7.0
19				12.0	11.0	11.5	8.5	6.5	7.5	8.5	6.0	7.0
20				13.0	11.5	12.0	8.0	6.0	7.0	8.5	7.5	8.0
21				14.0	11.5	12.5	7.5	7.0	7.5	8.0	7.0	7.5
22				14.5	12.0	13.0	7.5	6.5	7.0	7.5	7.0	7.5
23				15.5	13.0	14.0	9.0	7.0	8.0	7.5	6.5	7.5
24				16.0	14.0	15.0	11.5	8.0	9.0	7.5	6.5	7.0
25				16.5	14.0	15.0	10.0	8.0	9.0	8.0	7.0	7.0
26				17.0	13.5	16.0	9.5	7.5	8.5	7.0	6.5	6.5
27				15.5	14.0	14.5	10.5	8.0	9.0	7.0	6.5	6.5
28				15.0	13.5	14.5	9.5	8.0	9.0	7.0	6.5	6.5
29				15.0	12.5	13.5	9.0	7.5	8.5	7.5	6.0	6.5
30				13.0	10.5	12.0	8.5	8.0	8.5	7.5	5.5	6.0
31				---	---	---	9.5	8.5	9.0	6.0	5.0	6.0

02130000 PEE DEE RIVER AT CHERAW, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	4.0	5.0	9.0	4.5	7.0				---	---	---
2	5.5	3.5	4.5	5.0	2.5	4.0				---	---	---
3	4.5	3.0	4.0	4.5	.5	2.0				---	---	---
4	4.5	3.0	4.0	5.5	2.5	4.0				---	---	---
5	4.5	2.5	3.5	4.5	3.5	4.0				---	---	---
6	4.0	2.5	3.0	7.5	4.0	5.5				---	---	---
7	4.5	3.0	3.5	7.5	5.0	6.5				---	---	---
8	4.5	3.0	4.0	7.5	6.5	7.0				---	---	---
9	4.5	3.5	4.0	8.5	7.0	8.0				---	---	---
10	5.0	4.0	4.5	10.0	7.0	8.5				---	---	---
11	4.5	3.0	4.0	11.5	9.0	10.5				---	---	---
12	4.5	3.0	4.0	11.5	9.5	10.5				---	---	---
13	5.0	3.5	4.0	10.0	9.0	9.5				---	---	---
14	6.5	3.5	4.5	9.0	7.5	8.0				---	---	---
15	6.0	3.5	5.0	8.5	7.0	8.0				---	---	---
16	6.0	5.0	5.5	8.5	6.5	7.5				---	---	---
17	6.0	4.0	5.0	9.5	7.0	8.0				---	---	---
18	6.5	3.0	5.0	10.0	7.5	9.0				---	---	---
19	7.0	4.0	5.0	10.5	9.0	10.0				---	---	---
20	7.0	5.0	6.0	10.5	8.5	9.5				---	---	---
21	7.0	6.0	6.5	11.5	10.0	10.5				---	---	---
22	7.5	5.5	6.5	11.5	10.0	11.0				---	---	---
23	9.5	6.0	8.0	12.0	10.0	11.0				---	---	---
24	11.5	7.5	9.5	11.5	10.5	11.0				---	---	---
25	12.0	10.0	11.0	---	---	---				---	---	---
26	10.5	7.0	8.0	---	---	---				---	---	---
27	9.0	6.5	8.0	---	---	---				---	---	---
28	9.5	7.5	8.0	---	---	---				24.0	22.0	23.0
29	10.0	7.5	8.5	---	---	---				24.5	21.5	23.5
30	---	---	---	---	---	---				24.5	22.5	23.5
31	---	---	---	---	---	---				24.5	22.5	23.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.5	23.0	24.5	30.5	26.0	28.0	31.0	28.0	29.5	31.0	28.0	---
2	25.5	23.0	24.5	28.5	27.0	27.5	31.0	27.5	29.5	31.0	28.0	---
3	25.5	23.5	24.5	28.0	26.5	27.0	31.0	29.0	30.0	29.0	27.0	28.0
4	26.0	24.5	25.0	27.5	26.5	27.0	31.0	30.0	30.5	28.5	26.5	27.5
5	28.0	24.0	25.5	30.5	26.5	28.0	31.0	28.5	30.0	31.0	26.5	---
6	26.5	24.0	25.0	30.5	27.5	28.5	31.0	29.0	30.0	31.0	27.0	---
7	28.0	24.5	26.0	30.5	27.0	28.5	31.0	29.0	30.5	31.0	27.0	---
8	30.0	25.5	27.0	30.5	27.5	28.5	31.0	29.0	30.0	29.0	27.0	28.0
9	28.0	25.0	26.5	30.5	27.0	28.5	31.0	28.5	29.5	31.0	26.5	---
10	27.0	23.5	25.5	29.0	27.5	28.5	31.0	28.5	30.0	28.5	27.5	27.5
11	30.0	25.0	26.5	30.5	26.5	28.0	31.0	29.5	30.5	31.0	27.0	---
12	27.0	24.5	26.5	30.5	27.5	29.0	31.0	29.0	---	31.0	25.0	---
13	27.0	24.5	26.0	30.5	27.5	29.0	31.0	28.5	---	28.5	25.5	27.5
14	28.0	23.0	25.5	30.5	28.0	29.0	31.0	28.5	---	31.0	27.0	---
15	27.0	25.0	26.0	30.5	27.5	29.0	31.0	29.0	---	31.0	27.0	---
16	28.0	25.5	27.0	30.5	28.0	29.0	31.0	28.5	---	29.0	26.5	27.5
17	26.5	25.0	26.0	30.5	28.0	29.0	31.0	28.0	---	28.0	26.5	27.0
18	26.0	23.5	24.5	29.5	27.5	28.5	31.0	24.0	---	31.0	26.5	---
19	30.0	23.5	27.0	30.5	28.5	29.5	29.0	28.0	28.5	28.5	27.0	27.5
20	30.0	26.0	28.0	30.5	28.0	29.0	31.0	27.5	---	28.0	26.0	26.5
21	26.5	24.0	25.5	30.5	28.0	30.0	31.0	28.5	---	28.5	26.5	27.5
22	28.5	24.5	26.5	30.5	28.0	29.0	29.0	27.0	28.0	31.0	27.5	---
23	28.0	25.5	26.5	29.5	28.0	28.5	28.5	26.0	27.0	31.0	26.5	---
24	26.0	24.0	24.5	30.5	28.0	29.0	27.5	25.5	26.5	31.0	26.5	---
25	25.0	23.0	24.0	30.0	28.0	29.0	29.0	25.5	27.0	31.0	26.5	---
26	24.5	24.0	24.5	29.0	27.0	28.0	31.0	26.0	---	31.0	26.5	---
27	26.0	23.0	24.5	30.0	27.0	28.5	28.5	26.0	27.0	27.0	24.0	25.5
28	26.5	24.5	25.5	31.0	28.5	29.5	30.0	26.5	27.5	24.5	21.5	22.5
29	29.0	25.0	27.0	31.0	28.0	29.0	31.0	27.0	---	21.5	19.5	20.5
30	29.5	26.0	27.5	31.0	28.0	29.5	28.5	26.5	27.5	22.5	20.0	21.5
31	---	---	---	31.0	28.0	29.5	31.0	27.5	---	---	---	---
YEAR	31.0	.5	16.5									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

02130600 CEDAR CREEK AT SOCIETY HILL, S.C.

LOCATION.--Lat 34°31'24", long 79°51'16", Darlington County, Hydrologic Unit 03040201, on upstream side of old highway bridge, 300 ft (91 m) downstream from U.S. Highway 52, 0.3 mi (0.5 km) upstream from Seaboard Coast Line Railroad, at Society Hill, and at mile 1.7 (2.7 km).

DRAINAGE AREA.--58.2 mi^2 (151 km^2).

PERIOD OF RECORD.--October 1970 to current year. Occasional low-flow measurements, water years 1949-65.

GAGE.--Water-stage recorder. Datum of gage is 71.04 ft (21.653 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except period of missing record Jan. 22 to Mar. 12, which is poor.

AVERAGE DISCHARGE.--10 years, 97.4 ft^3/s (2.76 m^3/s), 22.73 in/yr (577 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 750 ft^3/s (21.2 m^3/s) June 23, 1973; maximum gage height, 12.57 ft (3.831 m) Feb. 27, 1979 (caused by backwater); minimum daily, 9.3 ft^3/s (0.26 m^3/s) Sept. 16, 17, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 720 ft^3/s (20.4 m^3/s), Mar. 31; maximum gage height, 8.51 (2.594 m) Mar. 31; minimum daily, 9.3 ft^3/s (0.26 m^3/s) Sept. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	42	61	75	120	60	502	60	28	23	15	10
2	114	42	59	73	140	65	277	59	27	18	16	10
3	88	64	58	63	100	70	151	58	26	17	18	14
4	64	86	58	61	85	80	123	57	25	17	15	16
5	61	79	60	61	80	110	110	57	23	18	13	17
6	75	63	61	61	80	140	101	62	21	20	14	16
7	75	52	71	59	85	120	96	61	21	17	13	14
8	72	49	79	65	85	140	96	55	21	15	12	12
9	54	48	79	96	90	170	107	54	20	14	12	11
10	46	47	70	110	200	130	108	53	18	14	13	11
11	43	63	61	126	190	110	105	49	17	18	13	10
12	44	134	71	159	150	120	111	47	17	25	13	11
13	45	241	59	148	130	150	107	44	16	22	18	10
14	44	216	60	145	110	172	151	41	16	26	35	10
15	43	131	51	127	100	210	186	39	16	23	38	10
16	43	98	61	111	95	153	249	38	15	18	26	9.3
17	42	77	63	102	90	115	237	36	14	16	24	9.3
18	41	67	64	98	85	149	131	43	20	17	25	17
19	41	63	61	111	80	168	96	53	33	27	24	22
20	41	61	57	242	75	199	86	63	39	35	20	19
21	40	61	57	154	70	213	82	96	30	41	17	19
22	40	61	57	100	75	448	78	101	24	31	16	18
23	41	61	57	110	70	607	74	101	21	25	17	16
24	44	61	61	120	65	554	70	79	19	23	18	14
25	48	61	68	110	70	488	65	56	22	22	17	14
26	46	75	72	100	70	637	61	48	38	20	14	18
27	44	86	71	110	65	632	62	42	55	18	13	18
28	42	85	64	120	65	461	74	38	55	17	12	15
29	43	81	61	110	60	427	66	34	37	16	10	22
30	43	72	60	100	---	615	62	32	29	15	10	57
31	42	---	68	110	---	681	---	29	---	15	10	---
TOTAL	1690	2427	1970	3337	2780	8394	3824	1685	763	643	531	469.6
MEAN	54.5	80.9	63.5	108	95.9	271	127	54.4	25.4	20.7	17.1	15.7
MAX	141	241	79	242	200	681	502	101	55	41	38	57
MIN	40	42	57	59	60	60	61	29	14	14	10	9.3
CFSM	.94	1.39	1.09	1.86	1.65	4.66	2.18	.94	.44	.36	.29	.27
IN.	1.08	1.55	1.26	2.13	1.78	5.37	2.44	1.08	.49	.41	.34	.30

CAL YR 1979 TOTAL 39030.0 MEAN 107 MAX 850 MIN 20 CFSM 1.84 IN 24.95
WTR YR 1980 TOTAL 28513.6 MEAN 77.9 MAX 681 MIN 9.3 CFSM 1.34 IN 18.22

02130900 BLACK CREEK NEAR MCBEE, S.C.

LOCATION.--Lat 34°30'50", long 80°11'00", Chesterfield County, Hydrologic Unit 03040201, near right bank at downstream side of bridge on U.S. Highway 1, 0.2 mi (0.3 km) upstream from Little Alligator Creek, 5.3 mi (8.5 km) northeast of McBee, and at mile 59.1 (95.1 km).

DRAINAGE AREA.--108 mi^2 (280 km^2).

PERIOD OF RECORD.--October 1959 to current year. Occasional low-flow measurements, water years 1956-59.

GAGE.--Water-stage recorder. Datum of gage is 224.72 ft (68.495 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 22, 1959, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--21 years, 170 ft^3/s (4.814 m^3/s), 21.38 in/yr (543 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,770 ft^3/s (50.1 m^3/s) July 16, 1975, gage height, 11.29 ft (3.441 m); minimum 21 ft^3/s (0.59 m^3/s) Sept. 25, 1968 and Oct. 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 19.9 ft^3/s (0.56 m^3/s) was measured on Sept. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft^3/s (14.2 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 23	1800	605	17.1	9.32	2.841
Mar. 31	0200	*1,010	28.6	*10.21	3.112

Minimum discharge, 31 ft^3/s (0.88 m^3/s) Aug. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	92	159	122	187	142	645	150	85	71	39	33
2	217	94	143	124	179	141	497	150	84	66	41	37
3	225	148	141	124	176	140	369	150	81	69	41	36
4	212	194	138	124	163	150	321	150	76	79	38	38
5	198	224	136	123	150	174	282	140	71	77	35	41
6	199	456	134	121	147	196	266	140	69	69	33	50
7	205	316	136	122	157	211	256	140	72	62	32	46
8	229	226	143	125	169	268	252	140	77	62	32	41
9	203	168	141	175	186	293	255	130	69	57	34	37
10	150	137	140	197	246	260	256	130	65	56	41	35
11	133	144	133	230	256	289	247	130	62	62	35	35
12	128	197	130	301	276	295	247	120	62	69	33	34
13	123	207	130	288	304	321	278	120	61	64	47	34
14	119	241	121	264	260	295	323	120	61	57	46	33
15	116	280	120	271	211	353	392	119	60	52	39	33
16	115	255	121	246	186	389	493	116	59	49	35	32
17	112	203	121	230	177	310	392	113	62	49	36	35
18	108	167	122	249	170	308	314	150	83	93	38	64
19	105	154	123	249	168	286	252	163	138	116	38	62
20	103	148	123	234	162	323	241	190	160	102	37	62
21	101	143	124	263	157	437	236	236	142	72	48	61
22	100	142	122	253	157	418	235	215	98	67	53	56
23	98	140	121	255	163	545	217	213	87	63	49	50
24	98	136	120	247	169	500	206	164	80	65	44	45
25	98	127	119	271	165	369	206	151	107	60	40	42
26	97	159	120	306	154	308	197	144	191	60	37	44
27	96	178	121	278	149	328	179	128	157	74	35	49
28	92	187	123	238	146	361	167	114	123	59	33	48
29	86	202	122	212	144	524	160	106	100	51	32	86
30	84	196	121	199	---	760	150	110	84	47	32	195
31	88	---	121	194	---	926	---	86	---	43	32	---
TOTAL	4243	5661	3989	6635	5334	10620	8531	4428	2726	2042	1185	1494
MEAN	137	189	129	214	184	343	284	143	90.9	65.9	38.2	49.8
MAX	229	456	159	306	304	926	645	236	191	116	53	195
MIN	84	92	119	121	144	140	150	86	59	43	32	32
CFSM	1.27	1.75	1.19	1.98	1.70	3.18	2.63	1.32	.84	.61	.35	.46
IN.	1.46	1.95	1.37	2.29	1.84	3.66	2.94	1.53	.94	.70	.41	.51

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CAL YR 1979  TOTAL  67974   MEAN 186   MAX 971   MIN 53   CFSM 1.72   IN 23.41
WTR YR 1980  TOTAL  56888   MEAN 155   MAX 926   MIN 32   CFSM 1.44   IN 19.59
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02130910 BLACK CREEK NEAR HARTSVILLE, S.C.

LOCATION.--Lat 34°23'50", long 80°09'00", Darlington County, Hydrologic Unit 03040201, at downstream side of highway bridge, 1,000 ft (300 m) downstream from dam at H. B. Robinson steam electric plant, 2.1 mi (3.4 km) upstream from Beaverdam Creek, 4.6 mi (7.4 km) west of Hartsville and at mile 49.9 (80.3 km).

DRAINAGE AREA.--173 mi^2 (448 km^2).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 177.48 ft (54.096 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some regulation by storage in steam electric plant reservoir above station.

AVERAGE DISCHARGE.--20 years, 241 ft^3/s (6.825 m^3/s), 18.92 in/yr (481 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,010 ft^3/s (56.9 m^3/s), Aug. 18, 1971, gage height, 10.08 ft (3.072 m); minimum, 51 ft^3/s (1.44 m^3/s) July 14, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160 ft^3/s (32.9 m^3/s) Mar. 31, gage height, 8.57 ft (2.612 m); minimum, 58 ft^3/s (1.64 m^3/s) Aug. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	272	140	245	183	294	197	1120	238	141	128	91	84
2	266	143	244	180	274	202	1020	224	137	120	89	83
3	270	164	222	181	262	194	732	223	131	115	87	82
4	268	169	209	181	254	191	586	223	129	113	84	91
5	286	181	202	179	239	199	438	214	122	113	81	85
6	278	213	203	172	236	218	376	211	115	114	80	84
7	270	281	208	169	234	226	372	203	110	109	78	85
8	260	300	208	179	229	260	372	194	110	99	80	84
9	257	294	203	209	236	297	384	186	107	100	84	84
10	255	279	196	216	280	307	376	175	101	103	84	88
11	231	292	191	235	282	313	364	169	100	104	84	87
12	210	307	186	266	294	329	349	164	98	102	84	85
13	205	299	182	289	303	396	372	162	95	104	83	85
14	194	296	185	304	313	399	451	160	92	101	83	84
15	179	292	179	310	310	386	512	158	90	97	66	84
16	174	306	179	315	304	399	417	152	89	94	63	83
17	171	307	181	312	292	484	475	147	92	89	77	88
18	167	299	171	321	270	616	518	154	95	93	80	89
19	167	285	171	331	260	430	487	159	102	96	80	88
20	162	270	176	321	250	422	355	177	107	102	84	88
21	161	257	175	315	241	552	343	206	113	106	88	88
22	159	243	172	313	236	555	329	214	111	104	90	89
23	157	228	169	341	235	545	315	215	111	105	83	89
24	158	222	167	331	241	593	301	218	112	112	84	90
25	154	215	177	321	238	616	290	210	119	109	81	87
26	151	241	178	329	230	580	280	205	132	107	78	84
27	146	244	180	349	210	515	272	186	138	104	89	84
28	143	245	183	341	200	539	263	174	141	102	89	89
29	142	249	177	327	197	680	249	164	138	100	86	88
30	142	246	176	309	---	917	249	157	136	96	85	99
31	142	---	181	306	---	1140	---	153	---	92	84	---
TOTAL	6197	7507	5876	8435	7444	13697	12967	5795	3414	3233	2559	2598
MEAN	200	250	190	272	257	442	432	187	114	104	82.5	86.6
MAX	286	307	245	349	313	1140	1120	238	141	128	91	99
MIN	142	140	167	169	197	191	249	147	89	89	63	82
CFSM	1.16	1.45	1.10	1.57	1.49	2.56	2.50	1.08	.66	.60	.48	.50
IN.	1.33	1.61	1.26	1.81	1.60	2.95	2.79	1.25	.73	.70	.55	.56

WTR YR 1980 TOTAL 79722 MEAN 218 MAX 1140 MIN 63 CFSM 1.26 IN 17.14

02131000 PEE DEE RIVER AT PEEDEE, S.C.
(National stream-quality accounting network station)
(Radiochemical program station

LOCATION.--Lat 34°12'15", long 79°32'55", Marion County, Hydrologic Unit 03040201, in pier of bridge on U.S. Highway 76 at Peedee, 0.2 mi (0.3 km) downstream from Seaboard Coast Line Railroad bridge, 8.2 mi (13.2 km) downstream from Black Creek, and at mile 100.2 (161.2 km).

DRAINAGE AREA.--8,830 mi^2 (22,870 km^2), approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1947, published as "near Mars Bluff." Gage-height records collected at practically same site since 1923 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1233: Drainage area. WSP 1623: 1933, 1945-51 (monthly and yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 24.73 ft (7.537 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1947, at site 1.6 mi (2.6 km) downstream at datum 23.46 ft (7.151 m) NGVD.

REMARKS.--Records fair. Flow regulated by six powerplants above station. Combined usable capacity of reservoirs, 30,819,624,000 ft^3 (872,811,800 m^3).

AVERAGE DISCHARGE.--42 years, 9,851 ft^3/s (279.0 m^3/s), 15.15 in/yr (385 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 220,000 ft^3/s (6,230 m^3/s) Sept. 22, 1945, gage height, 33.30 ft (10.150 m) (site and datum then in use) from rating curve extended above 76,000 ft^3/s (2,150 m^3/s) on basis of discharge measurement of 221,000 ft^3/s (6.260 m^3/s) at Cheraw; minimum, 700 ft^3/s (19.8 m^3/s) Sept. 29, 1954, gage height, 0.60 ft (0.18 m) (from graph based on gage readings).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42,600 ft^3/s (1,210 m^3/s) April 2, gage height, 24.11 ft (7.349 m); minimum daily, 2,450 ft^3/s (69.4 m^3/s) Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24300	6930	15400	6070	18300	9830	42100	13600	10200	5620	4540	2960
2	23300	7080	14400	5720	17600	9990	42500	13300	9590	4930	4580	3800
3	23200	7620	13400	5970	16800	9410	42300	12800	9380	5930	5030	4000
4	23500	13200	12700	7520	16100	7340	40600	12100	9450	7200	4040	4000
5	23400	16900	12200	6880	15700	8200	37500	11100	8830	5900	2820	4020
6	22800	17600	11900	7840	15500	10400	33700	9920	6780	4130	4000	3930
7	22500	17000	11900	7630	14900	12500	29300	9860	6680	4560	5660	3660
8	22700	15900	12000	5650	14300	14800	25800	8580	5230	3890	5570	3500
9	22100	14300	12100	7400	14000	16100	23200	8870	3990	3480	5680	3500
10	20400	12700	10400	9490	14700	17800	22000	9130	3190	4580	4470	3600
11	18000	12100	7240	11100	16500	18800	22000	8460	5100	4990	3700	3840
12	16100	12500	7780	13000	18600	19100	22600	7240	6050	5460	3400	4160
13	14600	16500	8430	16000	19800	19800	24000	5340	4930	5440	3300	3250
14	13500	20000	8680	18200	20500	20700	25700	5830	3790	4910	3200	3790
15	12900	21600	8710	20000	20400	22000	26800	7680	4000	3680	3100	4000
16	12100	23100	8530	20200	19700	23300	27000	8430	3610	3580	3110	3200
17	11500	23000	6190	22000	18700	23700	28400	8570	3630	3970	3230	2690
18	11200	21300	4860	22500	17700	23000	29600	8630	4430	4580	3200	3880
19	11000	19100	7840	23000	16400	22600	30000	9040	4170	5350	3600	4100
20	10800	16900	8970	24000	13700	23300	30000	12100	5760	6330	4050	3520
21	8860	15600	8260	24600	10100	24400	28800	14300	5110	5590	4930	3270
22	7010	14500	8150	26400	8800	25400	26800	16000	5450	3550	4220	2600
23	5280	13600	7890	26800	9330	26800	24600	18200	4300	3960	3600	2450
24	6670	13000	6970	27200	9540	28800	22200	18500	3050	5080	4050	3070
25	6710	12500	5610	26800	8170	31400	20000	17800	3320	5460	3380	3760
26	7930	12800	6390	26000	5780	34000	18000	16800	4760	5860	3000	4160
27	8890	13500	7030	25600	7990	36200	17000	16100	7280	5430	3090	4770
28	9180	15300	7470	24000	9900	38100	15400	14800	9180	3810	3430	4440
29	7500	16300	7950	22600	9980	40400	14700	13400	8840	2830	3950	3270
30	4770	16200	8450	21500	---	41600	14200	12200	7130	2690	4800	6000
31	6260	---	8070	19700	---	42000	---	10900	---	3600	4120	---
TOTAL	438960	458630	285870	531370	419490	701770	806800	359580	177210	146370	122850	111190
MEAN	14160	15290	9222	17140	14470	22640	26890	11600	5907	4722	3963	3706
MAX	24300	23100	15400	27200	20500	42000	42500	18500	10200	7200	5680	6000
MIN	4770	6930	4860	5650	5780	7340	14200	5340	3050	2690	2820	2450
CFSM	1.60	1.73	1.04	1.94	1.64	2.56	3.05	1.31	.67	.54	.45	.42
IN.	1.85	1.93	1.20	2.24	1.77	2.96	3.40	1.51	.75	.62	.52	.47

CAL YR 1979 TOTAL 5607940 MEAN 15360 MAX 99900 MIN 2380 CFSM 1.74 IN 23.63
WTR YR 1980 TOTAL 4560090 MEAN 12460 MAX 42500 MIN 2450 CFSM 1.41 IN 19.21

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1948 to September 1949, October 1961 to August 1974, October 1977 to current year.

PERIOD OF DAILY RECORDS.--
SPECIFIC CONDUCTANCE: June 1978 to current year.
WATER TEMPERATURE: February 1967 to September 1969, March to September 1972, June 1978 to current year.
SUSPENDED-SEDIMENT DISCHARGE: February 1967 to September 1972.

INSTRUMENTATION.--Water quality mini monitor since June 1978.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 298 micromhos Apr. 28, 1980; minimum, 31 micromhos June 19, 1978.
WATER TEMPERATURE: Maximum, 31.5°C Aug. 14, 1980; minimum, 1.5°C Feb. 20, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 298 micromhos Apr. 28; minimum, 44 micromhos Mar. 7.
WATER TEMPERATURE: Maximum, 31.5°C Aug. 14; minimum, 4.0°C Feb. 4-9.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
OCT 10...	1220	18100	72	6.5	19.0	40	7.1	88	92	17	4	4.2
NOV 16...	1130	21560	75	6.5	13.0	30	8.0	148	72	16	4	4.5
DEC 19...	1230	7980	80	6.9	8.0	--	11.0	185	K42	--	--	--
JAN 15...	1200	4540	50	7.0	7.0	1.1	10.8	360	660	20	0	4.6
FEB 12...	1200	16600	69	7.1	4.5	15	12.2	138	300	17	2	3.9
MAR 11...	1130	16500	77	7.1	9.5	2.5	10.6	297	270	19	0	4.4
APR 09...	1215	21600	64	6.7	16.0	1.0	8.3	--	102	18	0	4.1
MAY 20...	1030	43700	62	6.8	22.7	3.5	7.9	122	407	4	0	.7
JUN 03...	1245	24000	65	6.3	26.0	11	7.2	200	K10	16	0	3.7
JUL 09...	1100	3348	73	7.2	28.7	14	7.3	K6	K3	16	0	3.6
AUG 13...	1130	2880	80	6.8	29.5	13	6.7	K90	K34	17	0	3.5
SEP 09...	1230	2400	92	7.0	27.5	.90	7.2	58	K28	16	0	2.9

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT 10...	1.7	5.4	.6	7.4	2.0	13	5.5	5.1	.1	9.7	62
NOV 16...	1.1	4.9	.5	7.8	2.9	12	6.8	5.8	.1	9.4	66
DEC 19...	--	--	--	--	--	--	--	--	--	--	--
JAN 15...	2.0	6.9	.7	8.4	1.5	30	7.6	7.5	.1	9.3	64
FEB 12...	1.7	5.6	.6	7.2	1.5	15	7.2	5.6	.1	9.5	52
MAR 11...	1.9	6.3	.6	7.7	1.4	19	7.4	6.7	.1	9.8	57
APR 09...	1.8	5.7	.6	--	1.2	23	5.9	5.2	.1	8.5	52
MAY 20...	.5	2.8	.6	--	.4	4	3.2	4.1	.0	6.5	32
JUN 03...	1.7	6.4	.7	--	1.8	17	5.9	4.4	.1	10	55
JUL 09...	1.8	6.7	.7	--	1.7	16	5.4	5.2	.1	9.8	51
AUG 13...	2.1	10	1.0	--	1.8	25	7.3	6.6	.1	12	80
SEP 09...	2.0	12	1.3	--	2.2	25	8.5	7.8	.2	8.7	89

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)
OCT 10...	43	.08	3030	.39	.370	.45	.01	.28	.65	.22	.43
NOV 16...	45	.09	3840	.54	12.000	15	.00	.00	.37	.00	.40
DEC 19...	--	--	--	--	--	--	--	--	--	--	--
JAN 15...	60	.09	785	.71	.020	.02	.06	.52	.54	.16	.38
FEB 12...	46	.07	2330	.40	.070	.08	.14	.46	.53	.03	.50
MAR 11...	52	.08	2540	.51	.040	.05	.04	.70	.74	.54	.20
APR 09...	47	.07	3030	.45	.030	.04	--	.27	.30	--	--
MAY 20...	22	.04	3780	.20	.070	.08	.10	.24	.31	--	--
JUN 03...	47	.07	3560	.56	.080	.10	.12	.29	.37	.20	.17
JUL 09...	46	.07	461	.36	.000	.00	.00	.19	.19	.03	.16
AUG 13...	59	.11	622	.23	.000	.00	.01	.37	.37	.24	.13
SEP 09...	61	.12	577	.19	.010	.01	.05	.15	.16	.02	.14

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 10...	1.0	4.6	.110	.34	.030	--	6.1	--	30	1470	100
NOV 16...	.91	4.0	.100	.31	.050	--	6.6	330	20	1160	100
DEC 19...	--	--	--	--	--	--	--	--	16	345	100
JAN 15...	1.3	5.5	.080	.25	.050	--	4.6	--	18	221	100
FEB 12...	.93	4.1	.090	.28	.050	--	1.1	--	27	1210	100
MAR 11...	1.3	5.5	.080	.25	.040	0	--	740	19	846	100
APR 09...	.75	3.3	.070	.21	.030	--	5.8	--	17	991	100
MAY 20...	.51	2.3	.030	.09	.010	--	2.8	270	41	4840	100
JUN 03...	.93	4.1	.090	.28	.040	0	--	1000	36	2330	97
JUL 09...	.55	2.4	.060	.18	.020	0	3.4	3600	14	127	100
AUG 13...	.60	2.7	.120	.37	.020	0	4.4	2900	26	202	94
SEP 09...	.35	1.6	.090	.28	.030	2	--	27000	18	117	92

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
MAR 11...	1130	0	0	0	<50	<0	70	0	0	2	<10	<0
JUN 03...	1245	1	1	0	100	30	70	0	0	4	--	--
SEP 09...	1230	1	0	1	100	0	100	0	0	1	40	30

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
MAR 11...	<10	0	0	1	4	1	3	1200	1100	150	3
JUN 03...	<10	0	0	0	5	0	16	2400	2300	80	1
SEP 09...	10	0	0	0	4	0	29	770	670	100	3

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
MAR 11...	3	0	40	30	8	.1	.0	.1	0	0	0
JUN 03...	1	0	110	100	10	.1	.0	.1	0	0	0
SEP 09...	0	4	70	50	20	.1	.0	.1	0	0	0

DATE	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)	PERI-PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI-PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2)	CHLOR-B PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2)
MAR 11...	0	0	20	10	9	5.5	.9	--	--	--	--
JUN 03...	0	0	70	10	60	11	--	.551	.709	1.82	.350
SEP 09...	2	0	20	0	120	3.7	1.7	--	--	--	--

DATE	TIME	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)
JUN 03...	1245	.5	1.2	.7	1.8	2.2	.8	2.1	.8	.03	.01
SEP 09...	1230	.5	.5	.7	.8	2.4	.6	2.3	.6	.04	.02

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	77	74	75	---	---	---	---	---	---
2	---	---	---	74	73	74	---	---	---	---	---	---
3	---	---	---	80	75	77	---	---	---	---	---	---
4	---	---	---	79	60	69	---	---	---	---	---	---
5	---	---	---	62	58	60	---	---	---	---	---	---
6	---	---	---	62	56	59	---	---	---	---	---	---
7	---	---	---	78	62	71	---	---	---	---	---	---
8	---	---	---	79	76	78	---	---	---	---	---	---
9	---	---	---	77	74	75	---	---	---	---	---	---
10	72	71	71	76	72	74	---	---	---	---	---	---
11	72	70	71	75	71	73	---	---	---	---	---	---
12	71	69	70	72	68	70	---	---	---	---	---	---
13	70	67	68	89	68	71	---	---	---	---	---	---
14	68	65	67	92	80	86	---	---	---	---	---	---
15	67	64	65	---	---	---	---	---	---	80	79	80
16	68	63	66	75	74	74	---	---	---	83	77	80
17	71	67	69	75	73	74	---	---	---	80	77	78
18	71	68	70	76	72	74	---	---	---	79	77	78
19	71	67	69	76	74	75	78	74	76	78	75	76
20	71	68	70	77	74	75	78	76	77	80	74	76
21	72	68	70	77	75	76	87	76	79	80	75	78
22	73	69	71	80	77	78	90	81	87	74	71	73
23	75	72	73	78	76	77	82	78	81	71	69	70
24	78	70	73	78	76	77	80	75	77	71	69	70
25	73	70	71	78	75	77	79	76	78	71	69	70
26	75	72	73	77	74	75	77	70	74	73	70	72
27	77	75	76	---	---	---	76	70	74	74	73	73
28	76	72	74	---	---	---	75	73	74	73	70	72
29	73	70	72	---	---	---	---	---	---	72	70	71
30	75	71	73	---	---	---	---	---	---	72	70	71
31	83	74	77	---	---	---	---	---	---	72	70	71

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	72	70	71	89	74	84	69	63	67	66	62	64
2	72	70	71	81	77	79	67	60	63	65	62	64
3	71	70	70	79	76	78	61	58	60	71	61	65
4	71	69	70	79	76	77	64	60	61	64	61	63
5	77	72	74	77	73	75	73	61	66	63	61	62
6	78	73	76	78	70	76	75	71	72	65	63	64
7	75	72	74	84	44	77	79	71	74	66	63	65
8	74	71	73	81	76	79	79	70	75	67	64	65
9	73	70	72	---	---	---	99	63	71	67	63	65
10	74	71	72	---	---	---	66	63	65	67	64	66
11	73	70	71	---	---	---	67	64	65	66	63	64
12	71	60	69	---	---	---	68	65	66	66	63	65
13	79	69	73	---	---	---	80	62	67	67	65	66
14	78	76	77	---	---	---	62	61	61	71	65	68
15	76	73	74	---	---	---	67	61	64	70	65	67
16	76	73	74	---	---	---	93	65	78	70	65	67
17	77	73	74	---	---	---	95	84	91	71	68	70
18	76	71	74	---	---	---	146	95	115	69	66	67
19	75	72	73	71	68	69	156	146	150	67	62	65
20	76	70	72	70	66	68	174	158	165	65	61	63
21	76	71	73	67	66	66	201	174	189	71	62	67
22	76	74	74	71	67	70	225	201	213	76	68	72
23	87	74	81	71	65	68	228	222	225	71	65	68
24	88	83	86	66	63	65	238	146	216	76	70	73
25	82	78	81	64	63	63	153	150	151	70	68	69
26	79	74	76	66	63	64	150	141	145	69	64	66
27	78	72	76	69	65	67	257	151	191	68	64	65
28	80	78	80	66	63	65	298	61	101	66	63	65
29	91	79	84	66	63	64	64	61	62	69	64	66
30	---	---	---	67	63	65	65	62	63	70	66	68
31	---	---	---	68	64	66	---	---	---	72	66	68

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	72	67	69	82	69	73	92	86	88	---	---	---
2	73	67	69	81	71	76	87	83	85	---	---	---
3	73	66	70	92	76	81	95	83	84	---	---	---
4	80	69	74	98	91	93	84	79	82	---	---	---
5	83	70	76	174	89	119	---	---	---	---	---	---
6	83	72	78	201	84	151	89	80	83	---	---	---
7	88	76	82	90	73	79	89	78	81	---	---	---
8	98	76	88	79	72	75	80	68	77	---	---	---
9	92	75	84	77	68	71	88	69	77	---	---	---
10	86	80	83	72	67	69	86	75	80	92	90	91
11	92	81	86	73	71	72	80	76	78	91	75	84
12	90	77	80	73	70	71	---	---	---	87	75	82
13	95	77	85	75	71	74	---	---	---	87	75	78
14	83	75	79	74	71	73	87	84	86	99	78	86
15	96	83	89	73	70	71	94	79	84	92	90	91
16	92	87	89	76	70	73	91	77	81	---	---	---
17	88	83	85	76	73	74	88	75	78	101	86	91
18	94	79	85	77	73	74	---	---	---	113	83	88
19	88	77	82	76	69	73	---	---	---	94	80	84
20	97	79	85	77	69	72	81	73	77	90	77	81
21	86	79	83	78	71	74	80	74	76	86	78	80
22	93	83	86	77	71	74	76	74	75	---	---	---
23	86	79	82	77	72	75	75	72	74	---	---	---
24	83	78	81	90	75	80	81	74	76	107	81	88
25	85	80	82	91	77	82	---	---	---	99	75	81
26	87	77	81	95	79	88	---	---	---	93	76	86
27	81	78	79	92	83	87	---	---	---	87	74	78
28	85	82	84	84	82	83	---	---	---	85	74	81
29	81	73	78	76	73	74	---	---	---	85	80	81
30	80	68	72	92	81	85	---	---	---	---	---	---
31	---	---	---	96	89	92	---	---	---	---	---	---
YEAR	298	44	79									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	17.5	17.0	17.5	---	---	---	---	---	---
2	---	---	---	17.5	17.5	17.5	---	---	---	---	---	---
3	---	---	---	17.5	17.5	17.5	---	---	---	---	---	---
4	---	---	---	17.5	17.0	17.0	---	---	---	---	---	---
5	---	---	---	17.0	16.0	16.5	---	---	---	---	---	---
6	---	---	---	16.0	15.0	15.5	---	---	---	---	---	---
7	---	---	---	15.0	14.5	15.0	---	---	---	---	---	---
8	---	---	---	14.5	14.0	14.5	---	---	---	---	---	---
9	---	---	---	14.5	14.0	14.5	---	---	---	---	---	---
10	19.5	19.0	19.0	15.0	14.5	14.5	---	---	---	---	---	---
11	18.5	18.0	18.5	16.0	15.0	15.5	---	---	---	---	---	---
12	18.0	17.5	18.0	16.0	15.5	15.5	---	---	---	---	---	---
13	18.5	17.5	18.0	15.5	15.0	15.5	---	---	---	---	---	---
14	18.5	17.5	18.0	14.5	14.0	14.5	---	---	---	---	---	---
15	18.0	17.5	17.5	---	---	---	---	---	---	7.5	7.0	7.5
16	17.5	17.0	17.5	13.0	12.5	12.5	---	---	---	7.0	7.0	7.0
17	18.0	17.0	17.5	12.5	12.5	12.5	---	---	---	7.5	7.0	7.0
18	18.5	17.5	18.0	12.5	12.5	12.5	---	---	---	7.5	7.5	7.5
19	19.0	17.5	18.5	13.0	12.0	12.5	8.5	8.0	8.5	8.0	7.5	7.5
20	19.0	18.0	18.5	13.0	12.5	12.5	8.5	8.0	8.0	8.0	7.5	8.0
21	19.5	18.5	19.0	13.0	12.5	13.0	8.5	8.0	8.0	8.5	8.0	8.0
22	20.0	19.5	19.5	13.5	12.5	13.0	8.0	8.0	8.0	8.5	8.0	8.0
23	20.0	19.5	20.0	14.0	13.0	13.5	8.5	8.0	8.5	8.5	8.5	8.5
24	20.0	19.0	19.5	14.5	13.5	14.0	10.0	8.5	9.0	8.5	8.0	8.0
25	19.0	18.0	18.5	15.0	14.0	14.5	10.0	10.0	10.0	8.0	7.5	7.5
26	18.0	17.5	17.5	15.5	15.0	15.0	10.5	9.5	10.0	8.0	8.0	8.0
27	17.5	17.0	17.0	---	---	---	10.0	9.0	9.5	8.0	8.0	8.0
28	17.0	16.0	16.5	---	---	---	9.5	9.0	9.0	8.0	7.5	7.5
29	16.5	16.0	16.0	---	---	---	---	---	---	7.5	7.5	7.5
30	17.5	16.5	17.0	---	---	---	---	---	---	7.5	7.0	7.5
31	17.5	16.5	17.0	---	---	---	---	---	---	7.0	7.0	7.0

02131000 PEE DEE RIVER AT PEEDEE, S.C.—Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980—Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.5	6.0	6.0	9.5	8.0	9.0	13.5	13.0	13.5	18.5	18.0	18.5
2	6.0	5.0	5.5	8.0	5.5	7.0	14.5	14.0	14.0	18.5	18.0	18.0
3	5.0	4.5	5.0	5.5	4.5	5.0	15.0	14.5	14.5	18.5	18.0	18.5
4	5.0	4.0	4.5	5.0	4.5	4.5	16.0	15.0	15.5	19.0	18.0	18.5
5	4.5	4.0	4.5	5.0	4.5	5.0	16.0	15.5	16.0	19.5	19.0	19.0
6	4.5	4.0	4.0	6.5	5.0	6.0	16.0	15.5	15.5	20.0	19.0	19.5
7	4.5	4.0	4.5	6.5	5.0	6.0	16.0	15.5	15.5	20.5	20.0	20.0
8	4.5	4.0	4.5	8.0	6.5	7.5	16.0	15.5	15.5	20.5	20.0	20.5
9	5.0	4.0	4.5	---	---	---	16.0	15.5	16.0	21.0	20.5	20.5
10	5.0	4.5	4.5	---	---	---	16.5	16.0	16.5	20.5	20.0	20.5
11	5.0	4.5	4.5	---	---	---	16.5	16.0	16.0	20.5	19.5	20.0
12	5.0	4.5	4.5	---	---	---	16.5	16.0	16.0	21.0	20.0	20.5
13	5.0	4.5	4.5	---	---	---	16.5	16.0	16.0	22.0	21.0	21.5
14	5.0	4.5	5.0	---	---	---	16.0	16.0	16.0	23.0	22.0	22.0
15	5.5	5.0	5.5	---	---	---	16.0	16.0	16.0	23.0	22.5	22.5
16	6.5	5.5	6.0	---	---	---	16.0	15.5	15.5	22.5	22.0	22.0
17	6.5	6.0	6.5	---	---	---	15.5	15.5	15.5	22.5	22.0	22.0
18	6.5	6.0	6.0	---	---	---	15.5	15.0	15.5	23.0	21.5	22.0
19	6.5	5.5	6.0	---	---	---	15.5	15.5	15.5	22.5	22.0	22.0
20	6.5	6.0	6.0	11.5	11.0	11.0	16.0	15.5	16.0	23.0	22.0	22.5
21	8.0	6.5	7.0	12.0	11.0	12.0	16.5	16.0	16.0	22.0	21.5	22.0
22	9.0	8.0	8.5	12.5	12.0	12.0	17.0	16.5	16.5	22.0	22.0	22.0
23	9.5	8.5	9.0	12.0	11.5	12.0	17.5	17.0	17.0	22.0	21.5	22.0
24	10.5	9.5	10.0	12.0	12.0	12.0	18.0	17.5	18.0	22.5	22.0	22.0
25	11.5	10.0	10.5	12.5	12.0	12.5	19.0	18.0	18.5	22.5	22.0	22.0
26	11.0	10.0	10.5	12.5	12.5	12.5	19.5	19.0	19.5	22.5	22.5	22.5
27	10.5	9.5	10.0	12.5	12.0	12.5	20.0	19.5	19.5	23.0	22.5	22.5
28	9.0	8.5	8.5	12.5	12.5	12.5	20.0	19.5	19.5	23.0	22.5	22.5
29	9.5	8.5	9.0	13.0	12.5	12.5	19.5	19.5	19.5	23.5	22.5	23.0
30	---	---	---	13.0	12.5	12.5	19.0	18.5	19.0	24.0	23.0	23.5
31	---	---	---	13.0	12.5	13.0	---	---	---	24.5	23.5	24.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.0	24.0	24.5	28.5	27.5	28.0	30.5	29.5	30.0	---	---	---
2	25.0	24.0	24.5	29.0	28.5	28.5	30.5	29.5	30.0	---	---	---
3	26.0	24.5	25.0	29.0	28.5	29.0	30.5	30.0	30.0	---	---	---
4	26.5	25.5	26.0	29.0	28.5	28.5	30.5	29.5	30.0	---	---	---
5	26.5	25.5	26.0	28.5	28.0	28.5	30.0	29.0	29.5	---	---	---
6	26.5	26.0	26.0	30.0	28.5	29.0	31.0	30.0	30.5	---	---	---
7	27.0	26.0	26.5	30.0	29.0	29.5	31.0	30.5	31.0	---	---	---
8	27.0	26.0	26.5	30.5	29.5	30.0	30.5	30.0	30.0	---	---	---
9	27.0	26.0	26.5	30.5	28.5	29.5	30.5	29.5	30.0	---	---	---
10	27.0	25.5	26.0	30.0	29.0	29.5	30.5	29.5	30.0	28.0	26.5	27.5
11	27.0	26.0	26.5	29.5	29.0	29.5	31.0	29.5	30.5	28.0	27.5	27.5
12	27.0	26.0	26.5	30.0	29.0	29.5	---	---	---	28.0	27.0	27.5
13	26.5	25.5	26.0	30.0	29.0	29.5	31.0	28.0	30.0	27.5	27.0	27.0
14	26.5	25.5	26.0	30.0	29.5	30.0	31.5	29.5	30.5	28.0	26.5	27.5
15	27.0	25.5	26.0	30.0	29.5	30.0	31.0	30.0	30.5	27.5	24.0	26.5
16	28.0	26.5	27.0	30.0	29.0	29.5	31.0	29.5	30.0	27.0	23.5	24.5
17	27.5	26.5	27.0	30.5	29.0	30.0	30.5	28.0	29.5	28.0	27.0	27.5
18	27.0	26.5	26.5	30.0	29.5	29.5	---	---	---	28.0	27.5	28.0
19	26.5	26.0	26.0	30.0	29.5	30.0	---	---	---	27.5	27.0	27.5
20	26.0	25.5	25.5	30.0	29.5	29.5	29.5	28.0	29.0	27.5	27.0	27.0
21	26.0	25.5	26.0	30.0	29.5	30.0	29.5	28.5	29.0	28.0	26.5	27.5
22	27.0	26.0	26.5	30.5	29.5	30.0	29.0	28.0	28.5	29.5	27.0	28.0
23	27.0	26.0	26.5	30.0	29.5	29.5	29.0	27.5	28.0	29.0	27.0	28.5
24	26.5	24.5	25.5	29.5	29.0	29.5	28.0	27.0	27.5	28.5	28.0	28.0
25	26.0	25.5	26.0	29.5	29.0	29.0	---	---	---	28.5	28.0	28.5
26	26.0	25.5	26.0	29.5	28.5	29.0	---	---	---	28.0	27.5	28.0
27	25.5	24.5	25.0	29.5	29.0	29.0	---	---	---	27.5	26.5	27.0
28	26.0	25.5	26.0	29.5	28.5	29.0	---	---	---	26.5	25.0	25.5
29	27.0	26.0	26.5	29.0	28.0	28.5	---	---	---	24.5	23.0	24.0
30	28.0	27.0	27.5	30.0	28.5	29.0	---	---	---	---	---	---
31	---	---	---	30.5	29.5	30.0	---	---	---	---	---	---
YEAR	31.5	4.0	19.0									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

02131150 CATFISH CANAL AT SELLERS, S.C.

LOCATION.--Lat 34°17'04", long 79°26'32", Marion County, Hydrologic Unit 03040201, on right downstream wingwall of bridge on State Highway 38, 2.0 mi (3.2 km) east of Sellers, 2.3 mi (3.7 km) upstream from Stackhouse Creek, and at mile 25.6 (41.2 km).

DRAINAGE AREA.--27.4 mi^2 (71.0 km^2).

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 75 ft (23 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--13 years, 27.8 ft^3/s (0.787 m^3/s), 13.78 in/yr (350 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 890 ft^3/s (25.2 m^3/s), Mar. 4, 1971, gage height, 9.15 ft (2.789 m); no flow September 27-30, 1978, Oct. 5-Nov. 7, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharge above a base of 150 ft^3/s (4.25 m^3/s) and maximum (*).

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)	Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)
Nov. 26	1415	180	5.10	5.08	1.548	Mar. 30	2200	177	5.01	5.04	1.536
Mar. 13	1430	176	4.98	5.01	1.527	Apr. 14	1645	*223	6.32	*5.81	1.771

No flow Aug. 25-Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	5.9	46	31	45	24	102	22	10	3.8	3.8	.00
2	38	9.4	45	29	43	25	80	21	8.8	1.9	3.0	.00
3	45	9.4	40	26	37	26	70	20	8.0	1.1	2.8	.00
4	38	9.4	37	25	34	28	63	19	6.8	1.4	2.5	.00
5	41	8.5	36	26	32	44	55	18	5.7	5.9	2.1	.00
6	41	7.7	37	24	32	58	49	17	5.2	12	1.5	.00
7	33	7.4	52	23	34	49	46	16	4.9	4.9	1.4	.00
8	27	6.8	46	23	34	57	44	17	4.3	3.2	2.1	.00
9	23	7.1	40	39	35	68	68	22	3.4	2.5	3.0	.00
10	20	13	37	40	80	55	59	19	3.2	3.0	1.7	.00
11	19	30	35	37	77	46	51	17	3.0	6.2	1.2	.00
12	17	54	31	41	60	48	44	16	2.8	5.9	1.2	.00
13	15	46	30	38	51	151	49	15	2.3	5.7	1.4	.00
14	14	41	33	48	45	131	143	11	1.9	5.2	1.0	.00
15	13	36	31	52	41	92	133	7.7	1.9	4.1	.80	.00
16	12	31	32	44	40	73	79	6.5	1.5	3.6	.60	.00
17	11	28	30	39	38	64	61	5.9	1.7	3.0	.50	.00
18	11	29	28	41	34	112	53	9.7	2.5	2.5	.50	.00
19	10	25	27	50	32	105	48	9.7	3.2	2.3	.50	.00
20	9.4	21	27	43	30	89	44	33	2.1	2.1	.50	.00
21	8.8	21	26	38	29	134	40	74	1.7	2.5	.50	.00
22	8.3	20	25	36	29	106	36	36	1.2	2.3	.30	.00
23	8.0	20	24	46	30	78	34	28	1.1	12	.30	.00
24	10	21	24	48	28	68	31	26	1.1	45	.20	.00
25	10	23	29	41	27	75	29	29	3.6	19	.00	.00
26	9.4	140	28	38	29	66	27	30	11	12	.00	.00
27	8.3	128	25	47	26	59	26	24	5.9	9.7	.00	.00
28	8.3	83	24	49	25	57	25	20	4.9	8.0	.00	.00
29	8.3	64	22	43	24	123	24	17	4.3	6.8	.00	.00
30	7.1	53	25	40	---	134	24	14	3.4	5.4	.00	6.5
31	6.2	---	34	43	---	152	---	12	---	4.6	.00	---
TOTAL	572.1	998.6	1006	1188	1102	2397	1637	632.5	121.4	207.6	33.40	6.50
MEAN	18.5	33.3	32.5	38.3	38.0	77.3	54.6	20.4	4.05	6.70	1.08	.22
MAX	45	140	52	52	80	152	143	74	11	45	3.8	6.5
MIN	6.2	5.9	22	23	24	24	24	5.9	1.1	1.1	.00	.00
CFSM	.68	1.22	1.19	1.40	1.39	2.82	1.99	.75	.15	.25	.04	.008
IN.	.78	1.36	1.37	1.61	1.50	3.25	2.22	.86	.16	.28	.05	.01

CAL YR 1979 TOTAL 9226.20 MEAN 25.3 MAX 236 MIN .60 CFSM .92 IN 12.53
WTR YR 1980 TOTAL 9902.10 MEAN 27.1 MAX 152 MIN .00 CFSM .99 IN 13.44

02131309 FORK CREEK AT JEFFERSON, S.C.

LOCATION.--Lat 34°38'19", long 80°23'20", Chesterfield County, Hydrologic Unit 03040202, on upstream side at center of span on State Highway 151 bridge, 1.0 mi (1.6 km) south of intersection of State Highways 765 and 151, at Jefferson.

DRAINAGE AREA.--24.3 mi^2 (62.9 km^2).

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 302.68 ft (92.257 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,560 ft^3/s (44.2 m^3/s), Feb. 24, 1979, gage height, 7.89 ft (2.405 m); minimum daily, 0.44 ft^3/s (0.012 m^3/s) Sept. 17, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft^3/s (8.50 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 21	0815	498	14.1	5.81	1.771
Mar. 29	0415	*782	22.1	*6.65	2.207

Minimum daily, 0.44 ft^3/s (0.012 m^3/s), Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	3.9	24	22	37	29	88	18	4.4	2.8	3.1	2.0
2	15	6.8	24	20	34	31	73	17	4.6	2.8	2.8	1.5
3	9.3	112	22	19	33	32	67	16	3.7	2.4	2.7	1.2
4	6.8	42	21	19	32	38	63	15	3.5	2.4	2.7	1.9
5	21	21	22	23	31	60	55	14	3.0	2.5	2.0	1.8
6	25	17	24	21	35	52	50	12	2.8	2.2	1.6	2.1
7	14	15	29	19	37	38	49	12	3.1	1.6	1.5	1.9
8	8.3	12	24	32	39	86	52	11	3.0	1.4	1.5	2.1
9	6.6	21	21	85	49	71	52	11	2.8	1.5	1.6	1.2
10	5.7	27	21	50	106	49	44	10	2.4	1.6	3.0	.82
11	6.2	59	21	69	59	43	41	9.3	2.4	2.8	4.1	.67
12	6.4	85	21	60	47	53	40	9.0	2.4	3.0	3.1	.60
13	6.0	49	21	43	42	188	59	9.3	2.2	2.2	2.2	1.2
14	5.4	46	21	60	39	81	81	8.6	2.5	1.9	1.8	1.3
15	5.1	60	21	52	38	57	58	8.0	2.2	1.6	1.5	1.0
16	4.9	81	29	40	39	48	45	7.8	2.0	1.4	1.9	.60
17	4.6	78	22	39	37	50	40	7.2	2.8	1.3	2.1	.44
18	4.6	75	21	90	33	135	37	12	9.0	3.7	2.7	1.2
19	4.4	73	21	74	33	67	36	8.6	10	5.7	3.0	2.7
20	4.1	65	20	49	33	104	33	15	6.8	3.9	14	3.5
21	4.4	60	20	42	33	462	31	19	4.9	3.0	11	3.7
22	4.4	59	21	46	34	134	29	9.6	3.7	2.7	7.6	5.4
23	4.1	59	20	111	34	73	26	8.6	3.1	3.5	4.6	3.5
24	4.6	59	21	61	32	104	24	9.0	3.5	9.0	3.7	3.7
25	4.1	59	31	48	31	134	23	8.3	9.6	5.7	3.1	2.5
26	3.9	69	23	43	29	71	21	9.3	7.8	4.1	.82	3.0
27	3.9	38	21	44	28	60	21	7.4	6.8	3.1	1.5	3.1
28	3.7	30	20	41	29	186	19	6.6	6.0	3.0	2.5	2.7
29	4.1	27	19	38	28	578	19	6.2	4.1	2.5	1.9	7.0
30	4.1	24	21	36	---	220	20	5.4	3.3	2.7	1.9	7.4
31	3.9	---	25	40	---	189	---	4.9	---	3.1	2.2	---
TOTAL	232.6	1432.7	692	1436	1111	3523	1296	325.1	128.4	91.1	99.72	71.73
MEAN	7.50	47.8	22.3	46.3	38.3	114	43.2	10.5	4.23	2.94	3.22	2.39
MAX	25	112	31	111	106	578	88	19	10	9.0	14	7.4
MIN	3.7	3.9	19	19	28	29	19	4.9	2.0	1.3	.82	.44
CFSM	.31	1.97	.92	1.91	1.58	4.69	1.78	.43	.18	.12	.13	.10
IN.	.36	2.19	1.06	2.20	1.70	5.39	1.98	.50	.20	.14	.15	.11

CAL YR 1979 TOTAL 13455.90 MEAN 36.9 MAX 533 MIN 3.7 CFSM 1.52 IN 20.60
WTR YR 1980 TOTAL 10439.35 MEAN 28.5 MAX 578 MIN .44 CFSM 1.17 IN 15.98

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.
(National stream-quality accounting network station)

LOCATION.--Lat 34°03'05", long 79°45'15", Florence County, Hydrologic Unit 03040202, on left bank at downstream side of bridge on U.S. Highway 52, 75 ft (23 m) upstream from Seaboard Coast Line Railroad Bridge, 1 mi (1.6 km) south of Effingham, and at mile 43.4 (69.8 km).

DRAINAGE AREA.--1,030 mi^2 (2,670 km^2) approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1891 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 58.49 ft (17.828 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--51 years, 1,035 ft^3/s (29.31 m^3/s), 13.65 in/yr (347 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,000 ft^3/s (708 m^3/s) Sept. 22, 1945, gage height, 21.21 ft (6.465 m), from rating curve extended above 17,000 ft^3/s (481 m^3/s); minimum 94 ft^3/s (2.66 m^3/s) Oct. 10, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,380 ft^3/s (266 m^3/s) Apr. 3, gage height, 16.69 ft (5.087 m); minimum, 159 ft^3/s (4.50 m^3/s) Sept. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	928	482	1230	1040	2630	1130	6220	948	499	468	217	187
2	909	477	1240	1010	2450	1100	6220	882	453	407	209	177
3	936	483	1280	960	2200	1040	8710	837	420	348	204	171
4	968	493	1340	943	1950	1050	9000	804	395	311	198	168
5	1070	519	1360	954	1730	1110	7400	790	373	289	187	165
6	1170	569	1290	964	1600	1180	5740	804	356	273	182	164
7	1300	642	1270	943	1560	1200	4490	753	342	259	185	172
8	1470	734	1170	906	1530	1270	3640	702	328	252	191	181
9	1610	855	1080	999	1490	1460	3150	691	315	249	194	189
10	1540	980	1040	1050	1720	1570	2790	678	305	252	186	186
11	1370	1220	1020	1100	1910	1670	2530	656	299	244	176	189
12	1260	1750	1020	1290	1930	1830	2410	638	295	232	171	187
13	1220	1940	1020	1420	1950	2650	2200	613	290	222	177	179
14	1130	1770	1000	1610	1950	3220	2070	598	283	216	169	174
15	914	1600	963	1840	1940	3690	1980	580	280	220	168	168
16	722	1500	949	1980	1980	4370	1880	554	273	244	169	163
17	640	1450	950	2190	2170	4220	1890	528	265	244	214	161
18	603	1430	925	2530	2460	3810	1940	530	262	226	214	160
19	588	1520	907	2680	2460	3640	1930	537	263	214	192	160
20	570	1860	891	2600	2210	4090	1980	717	270	209	187	162
21	560	2060	887	2420	1880	4560	2170	1260	316	205	192	168
22	547	1870	899	2290	1630	4410	2180	1190	331	225	196	220
23	539	1590	900	2300	1470	3980	1980	1150	398	319	195	265
24	533	1310	871	2270	1360	3630	1740	1210	438	438	195	286
25	518	1100	857	2180	1290	3720	1520	1160	410	365	221	280
26	509	1260	844	2320	1230	4040	1340	1100	425	300	236	262
27	505	1440	827	2590	1200	5450	1210	973	427	265	254	235
28	509	1390	824	2610	1180	5580	1190	792	441	254	258	220
29	535	1320	831	2450	1170	5220	1080	690	470	256	236	243
30	504	1260	873	2390	---	5320	1020	611	487	245	214	281
31	492	---	998	2570	---	6030	---	554	---	230	199	---
TOTAL	26669	36874	31556	55399	52230	97240	93600	24520	10709	8481	6186	5923
MEAN	860	1229	1018	1787	1801	3137	3120	791	357	274	200	197
MAX	1610	2060	1360	2680	2630	6030	9000	1260	499	468	258	286
MIN	492	477	824	906	1170	1040	1020	528	262	205	168	160
CFSM	.84	1.19	.99	1.74	1.75	3.05	3.03	.77	.35	.27	.19	.19
IN.	.96	1.33	1.14	2.00	1.89	3.51	3.38	.89	.39	.31	.22	.21

CAL YR 1979 TOTAL 502501 MEAN 1377 MAX 10500 MIN 280 CFSM 1.34 IN 18.15
WTR YR 1980 TOTAL 449387 MEAN 1228 MAX 9000 MIN 160 CFSM 1.19 IN 16.23

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
DEC 12...	1100	1	1	0	0	0	50	0	0	2	20
MAR 05...	1000	1	0	1	<50	<0	50	0	0	0	20
JUN 05...	0945	2	0	2	100	0	100	1	0	7	<10
SEP 03...	1010	1	0	1	<50	--	100	0	0	0	330

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
DEC 12...	10	10	0	0	2	1	0	55	710	340
MAR 05...	10	10	0	0	0	2	0	[illegible]	580	230
JUN 05...	--	<10	0	0	0	3	0	25	1100	550
SEP 03...	320	10	0	0	0	4	0	28	900	290

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
DEC 12...	370	27	17	10	20	0	20	<.1	<.0	.2
MAR 05...	350	5	5	0	20	10	10	.1	<.0	.1
JUN 05...	550	2	2	0	70	30	40	.2	.0	.2
SEP 03...	610	1	0	7	60	10	50	.1	--	<.1

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
DEC 12...	0	0	0	0	0	10	0	150	6.6	.8
MAR 05...	0	0	0	0	0	20	0	20	4.8	.8
JUN 05...	0	0	0	0	0	10	0	100	7.6	.1
SEP 03...	0	0	0	0	0	20	0	80	8.0	.6

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)
OCT 02...	45	.08	147	.18	.040	.05	--	.44	.48	.00	.48
NOV 06...	55	.09	100	.10	.010	.01	.01	.95	.96	.54	.42
DEC 12...	42	.07	13.1	.18	.000	.00	.00	.34	.34	.00	.43
JAN 08...	53	.07	117	.24	.040	.05	.00	.40	.44	.04	.40
FEB 05...	48	.07	243	.29	.050	.06	.01	.23	.28	.00	.32
MAR 05...	47	.07	162	.22	.010	.01	.06	.36	.37	.09	.28
APR 01...	31	.07	846	.22	.000	.00	.00	.34	.34	.00	.50
MAY 06...	36	.09	146	.20	.080	.10	.10	.55	.63	.00	.65
JUN 05...	53	.09	65.0	.42	1.000	1.2	.06	.00	.59	.20	.39
JUL 01...	44	.07	69.9	.22	.020	.02	.03	.29	.31	.08	.23
AUG 05...	80	.14	51.3	.34	.020	.02	.08	.31	.33	.06	.27
SEP 03...	90	.12	40.2	.41	.010	.01	.03	.23	.24	.06	.18

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 02...	.66	2.9	.040	.12	.030	--	11	--	9	22	100
NOV 06...	1.1	4.7	.020	.06	.090	--	5.6	0	2	3.0	100
DEC 12...	.52	2.3	.030	.09	.020	0	--	--	4	1.1	100
JAN 08...	.68	3.0	.030	.09	.020	--	5.3	--	5	12	100
FEB 05...	.57	2.5	.020	.06	.010	--	2.3	--	4	19	100
MAR 05...	.59	2.6	.030	.09	.020	0	--	320	5	15	100
APR 01...	.56	2.5	.040	.12	.030	--	--	--	3	51	100
MAY 06...	.83	3.7	.140	.43	.100	--	6.2	--	15	34	100
JUN 05...	1.0	4.5	.190	.58	.050	0	--	52	17	17	62
JUL 01...	.53	2.3	.060	.18	.040	0	6.8	--	10	13	100
AUG 05...	.67	3.0	.100	.31	.070	0	6.1	52	7	3.6	76
SEP 03...	.65	2.9	.050	.15	.010	0	--	39	3	1.4	100

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1951 to September 1952, October 1960 to April 1966, July 1969 to July 1973, October 1974 to current year.

PERIOD OF DAILY RECORDS.--
SPECIFIC CONDUCTANCE: April 1975 to current year.
WATER TEMPERATURE: October 1954 to September 1972, April 1975 to current year.

INSTRUMENTATION.--Servo Programmer since April 1975.

EXTREMES FOR PERIOD OF DAILY RECORDS.--
SPECIFIC CONDUCTANCE: Maximum, 170 micromhos Sept. 23, 1980; minimum, 30 micromhos July 20, 1976.
WATER TEMPERATURE: Maximum 32.0°C on several days in 1960, 1961, 1963, Aug. 6, 1980; minimum, 0.0°C Jan. 20-23, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 170 micromhos Sept. 23; minimum, 37 micromhos Apr. 4.
WATER TEMPERATURE: Maximum, 32.0°C Aug. 6; minimum, 4.5°C Dec. 5, Jan. 7.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 02...	1100	892	70	6.4	22.0	6.0	[illegible]	225	142	13	2	3.0
NOV 06...	1045	562	87	6.9	12.0	2.0	9.4	103	78	10	0	2.2
DEC 12...	1100	101	60	6.5	8.5	4.0	10.8	65	K32	12	0	2.7
JAN 08...	1030	904	73	7.0	6.5	5.0	11.8	72	K40	12	0	2.7
FEB 05...	1015	1730	67	7.1	2.5	4.5	12.6	72	K40	14	0	3.2
MAR 05...	1000	1110	70	7.1	5.0	2.5	12.2	330	92	13	0	2.9
APR 01...	1030	6270	46	6.2	15.5	3.0	9.0	17	123	12	6	2.7
MAY 06...	0930	846	71	6.6	19.0	.85	8.2	320	483	14	6	3.5
JUN 05...	0945	376	80	6.5	25.0	8.0	7.4	--	--	10	0	2.1
JUL 01...	0930	471	67	6.5	25.5	6.0	6.9	60	91	9	0	2.1
AUG 05...	0940	190	130	7.1	28.5	[illegible]	6.3	177	38300	9	0	1.9
SEP 03...	1010	171	140	7.2	27.0	3.0	6.5	K61	78	8	0	1.7

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	SODIUM+POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 02...	1.3	9.0	1.1	10	1.2	11	8.5	5.7	8.1	.0	8.8	61
NOV 06...	1.2	14	1.9	15	1.4	18	--	7.2	10	.0	8.3	66
DEC 12...	1.2	6.6	.8	7.7	1.1	14	--	3.8	8.4	.0	8.3	48
JAN 08...	1.2	8.9	1.1	9.7	.8	28	--	5.7	8.7	.0	7.0	48
FEB 05...	1.4	7.1	.8	7.9	.8	21	--	6.8	8.2	.1	6.8	52
MAR 05...	1.3	7.7	.9	8.5	.8	22	--	5.8	8.5	.1	4.9	54
APR 01...	1.2	4.3	.5	5.5	1.2	6	--	6.1	7.5	.1	4.0	50
MAY 06...	1.3	7.1	.8	--	1.1	8	--	4.1	8.7	.1	4.6	64
JUN 05...	1.1	13	1.8	--	.9	14	--	8.7	8.7	.1	7.2	64
JUL 01...	1.0	10	1.4	--	.9	10	--	7.2	8.4	.1	7.3	55
AUG 05...	1.0	26	3.8	--	1.6	24	--	11	16	.1	6.7	100
SEP 03...	1.0	27	4.1	--	1.4	30	--	11	19	.1	7.9	87

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	63	67	69	62	56	58	56	56	56	56	54	54
2	73	68	70	67	62	66	57	56	57	54	53	54
3	68	64	66	67	66	67	57	56	57	56	54	54
4	63	57	59	72	67	69	56	56	56	58	56	57
5	57	54	56	79	67	73	56	56	56	57	57	57
6	55	53	54	79	67	73	56	56	56	60	57	58
7	54	51	52	67	56	62	61	56	59	64	58	61
8	51	50	50	57	53	55	62	61	61	65	64	65
9	51	50	51	52	49	51	66	62	65	64	59	61
10	53	51	52	49	47	48	66	63	64	63	59	60
11	55	53	54	49	47	47	63	59	61	65	63	64
12	54	54	54	48	46	47	59	56	57	66	63	64
13	57	54	55	47	46	46	56	55	55	64	61	63
14	63	57	60	49	46	47	62	56	59	63	61	62
15	64	62	63	50	48	49	65	61	64	63	60	61
16	66	64	65	51	50	50	64	61	63	60	57	59
17	67	61	64	51	51	51	69	61	65	57	54	56
18	65	58	60	51	50	51	69	66	67	54	52	53
19	70	65	68	50	48	49	66	62	65	53	52	53
20	72	67	69	48	46	47	63	60	61	55	53	54
21	75	71	73	46	45	45	65	64	64	56	55	56
22	---	---	---	46	45	45	67	64	65	57	56	56
23	---	---	---	51	46	48	67	66	67	56	56	56
24	---	---	---	54	51	53	67	65	66	57	56	57
25	---	---	---	60	54	57	67	60	65	58	57	57
26	---	---	---	59	54	56	60	54	56	57	54	56
27	65	64	65	55	54	54	54	53	53	54	52	53
28	67	64	66	55	54	54	53	52	53	54	53	53
29	68	65	67	55	54	55	52	49	50	55	54	55
30	67	64	66	56	55	55	51	49	50	56	54	55
31	66	60	64	---	---	---	53	51	52	55	53	54

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1				---	---	---	46	44	45	64	60	62
2				---	---	---	46	43	45	69	64	66
3				---	---	---	44	38	40	72	68	69
4				---	---	---	41	37	39	72	70	70
5				58	54	56	41	40	41	77	72	74
6				59	55	57	43	41	42	77	69	73
7				59	59	59	45	43	44	74	66	69
8				61	57	59	46	45	45	75	65	68
9				60	56	57	50	46	48	80	69	76
10				59	56	57	50	48	49	69	63	66
11				60	58	59	50	49	50	85	69	80
12				59	57	58	54	50	52	82	73	77
13				57	52	53	57	52	54	75	73	74
14				53	52	52	56	53	55	76	63	70
15				53	50	51	58	56	57	70	60	63
16				50	49	49	[illegible]	57	57	77	70	75
17				50	49	49	57	57	57	75	71	74
18				52	50	51	58	57	58	73	67	70
19				51	49	50	57	56	57	82	74	79
20				48	45	47	57	55	56	80	62	71
21				47	44	46	56	53	54	63	58	60
22				48	47	47	56	53	54	69	59	64
23				49	48	48	55	54.	54	74	67	69
24				49	48	49	57	55	56	71	69	70
25				50	47	48	61	58	59	70	65	67
26				50	45	47	63	61	62	68	63	65
27				46	41	43	66	61	62	71	66	68
28				45	42	43	65	62	63	67	61	64
29				47	43	45	67	64	65	61	58	60
30				45	42	44	65	61	63	62	59	60
31				45	43	44	---	---	---	74	64	69

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	80	70	74	73	69	71	111	87	95	163	140	146
2	86	80	83	68	63	66	127	114	122	163	140	153
3	91	79	85	65	60	63	123	112	118	163	150	160
4	82	73	77	61	58	59	134	120	126	163	135	143
5	86	76	82	62	58	60	135	125	128	134	109	117
6	96	88	91	65	59	62	144	119	129	109	105	107
7	105	92	96	65	61	63	128	114	120	128	102	113
8	114	99	105	67	63	65	111	96	102	131	122	128
9	114	106	109	71	61	65	135	106	120	135	121	130
10	108	96	103	65	59	60	136	125	130	141	127	135
11	103	83	90	81	57	63	137	129	133	139	111	130
12	84	79	80	95	84	88	149	132	138	115	99	104
13	104	79	90	104	93	97	137	128	133	148	118	136
14	109	105	107	107	100	103	132	123	128	150	147	148
15	115	110	113	111	104	107	133	102	116	152	145	148
16	118	114	116	115	96	108	126	98	109	166	153	161
17	123	115	119	94	80	87	129	115	122	167	167	167
18	116	94	105	109	81	93	126	119	123	168	137	150
19	95	89	93	118	110	115	135	122	126	137	110	119
20	111	90	98	123	112	118	131	124	127	139	109	126
21	123	107	115	132	123	126	129	111	124	165	129	140
22	125	114	120	136	127	131	109	97	101	158	143	149
23	117	102	110	132	77	108	126	109	117	170	129	147
24	108	98	102	80	75	77	121	115	119	128	113	120
25	111	95	104	101	79	88	136	99	121	124	109	113
26	98	86	91	104	98	101	136	110	123	143	127	136
27	104	93	99	104	99	102	117	109	112	133	127	129
28	112	103	109	111	102	104	123	100	113	140	128	134
29	112	89	103	111	101	106	127	97	107	139	135	137
30	91	73	80	100	80	86	147	128	137	136	107	124
31	---	---	---	90	78	83	162	148	156	---	---	---
YEAR	170	37	78									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.5	21.5	22.0	16.0	15.5	16.0	9.0	7.5	8.0	8.5	8.0	8.0
2	22.5	22.0	22.5	16.0	15.5	15.5	7.5	7.0	7.0	8.0	7.5	7.5
3	22.5	21.5	22.0	16.0	15.5	16.0	6.5	5.5	6.0	7.5	7.0	7.0
4	21.5	20.5	21.0	15.5	14.0	14.5	5.5	5.0	5.0	7.0	6.0	6.5
5	21.0	20.0	20.5	14.0	13.0	13.5	5.5	4.5	5.0	6.0	6.0	6.0
6	19.5	18.5	19.0	13.0	12.0	12.5	7.0	5.5	6.0	6.5	5.0	5.5
7	18.5	18.0	18.0	12.5	11.5	12.0	9.0	7.0	8.0	5.5	4.5	5.0
8	18.0	17.5	17.5	12.0	11.5	11.5	9.0	8.5	9.0	7.0	5.5	6.0
9	18.0	17.5	17.5	12.0	11.0	11.5	8.5	7.5	8.0	8.0	7.0	7.5
10	18.5	17.5	18.0	14.0	12.0	13.0	7.5	7.0	7.0	8.0	7.5	8.0
11	17.5	16.5	17.0	15.0	14.0	14.5	7.5	6.5	7.0	9.0	8.0	8.0
12	16.5	15.5	16.0	15.0	14.0	14.5	8.5	7.5	7.5	10.0	9.0	10.0
13	17.0	16.0	16.5	14.0	13.0	13.0	10.0	8.5	9.5	10.0	8.0	9.0
14	17.0	16.5	16.5	12.5	11.5	12.0	11.0	10.5	11.0	8.0	7.5	7.5
15	16.0	15.5	15.5	11.0	10.0	10.5	11.0	9.5	10.0	8.0	7.0	7.5
16	16.5	15.5	16.0	10.5	10.0	10.0	9.5	9.0	9.0	8.5	7.5	8.0
17	17.0	16.0	16.5	10.5	10.0	10.0	9.5	8.5	9.0	9.0	8.5	8.5
18	17.5	17.0	17.0	11.0	10.0	10.5	8.5	7.0	7.5	10.0	9.0	9.5
19	18.5	17.5	18.0	11.5	10.5	11.0	7.0	6.0	6.5	10.0	9.5	10.0
20	19.5	18.5	19.0	11.5	11.0	11.0	7.0	6.0	6.5	10.0	9.0	9.5
21	19.5	19.0	19.5	11.5	11.0	11.5	7.0	6.5	7.0	9.5	9.0	9.5
22	---	---	---	12.5	11.5	11.5	7.5	7.0	7.5	10.0	9.5	9.5
23	---	---	---	13.5	12.0	12.5	8.5	7.5	8.0	11.0	10.0	10.5
24	---	---	---	14.5	13.5	14.0	10.0	8.5	9.0	10.5	8.0	9.0
25	---	---	---	15.0	14.5	14.5	10.5	10.0	10.0	8.5	8.0	8.0
26	---	---	---	16.5	15.5	16.0	10.0	9.0	9.5	8.5	8.0	8.5
27	15.0	14.5	14.5	16.0	14.0	14.5	9.0	8.0	8.5	8.0	8.0	8.0
28	14.5	14.0	14.5	14.0	13.5	14.0	8.5	8.0	8.0	8.0	7.5	7.5
29	15.0	14.5	14.5	14.0	12.0	13.0	8.0	7.5	7.5	8.0	7.5	8.0
30	15.5	15.0	15.5	12.0	9.5	10.5	7.5	7.0	7.5	8.0	7.5	8.0
31	16.0	15.5	15.5	---	---	---	8.0	7.5	8.0	7.5	6.5	7.0

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1				---	---	---	16.5	14.5	16.0	18.0	17.5	18.0
2				---	---	---	16.5	15.5	16.0	18.5	17.5	18.0
3				---	---	---	16.5	15.5	16.0	19.0	18.0	18.5
4				---	---	---	17.0	15.5	16.0	19.5	18.5	19.0
5				5.5	5.0	5.5	17.0	16.5	16.5	20.0	19.0	19.5
6				8.5	5.5	7.0	17.0	16.0	16.5	20.5	19.0	19.5
7				9.5	8.0	8.5	16.5	16.0	16.5	20.5	19.5	20.0
8				10.5	9.5	10.0	17.0	16.0	16.5	20.5	19.5	20.0
9				12.5	10.5	11.5	19.0	16.0	17.5	20.0	19.0	19.5
10				12.0	11.5	11.5	18.5	18.0	18.5	18.5	17.5	18.5
11				13.0	11.5	12.0	18.5	18.0	18.5	20.0	18.5	19.0
12				13.0	10.5	12.0	18.5	18.0	18.5	21.0	19.0	20.0
13				10.5	10.0	10.5	19.0	18.5	18.5	22.0	20.5	21.5
14				12.0	10.5	11.0	20.5	18.5	19.5	22.5	21.5	22.0
15				12.5	11.5	12.0	19.5	17.5	18.0	22.5	21.5	22.0
16				13.5	12.0	13.0	17.0	16.0	16.5	22.5	21.5	22.0
17				15.0	13.5	14.5	16.5	15.5	16.0	21.5	21.0	21.0
18				17.0	15.0	16.0	16.0	15.0	15.5	22.5	20.0	21.5
19				16.5	16.0	16.0	16.5	15.5	16.0	22.5	21.5	22.0
20				16.0	15.0	15.5	17.0	16.0	16.5	22.0	21.0	21.5
21				16.5	14.5	16.0	17.5	16.5	17.0	21.5	20.5	21.0
22				16.5	15.5	16.0	18.0	17.0	17.5	21.5	21.0	21.5
23				15.5	15.0	14.5	19.0	17.5	18.5	21.5	21.0	21.5
24				15.5	14.5	15.0	20.5	19.0	19.5	22.0	21.0	21.5
25				16.0	14.5	15.0	21.5	20.0	20.5	21.5	21.5	21.5
26				16.0	15.5	15.5	21.0	21.0	21.0	22.0	21.0	21.5
27				16.0	15.0	15.5	21.0	20.5	21.0	22.0	21.0	21.5
28				15.5	14.5	15.0	20.5	20.0	20.5	22.0	20.5	21.5
29				15.0	14.0	14.5	19.5	18.5	19.0	22.5	21.0	22.0
30				14.5	14.5	14.5	18.5	18.0	18.0	23.0	22.0	22.5
31				16.0	14.5	15.0	---	---	---	23.5	22.5	23.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.5	23.0	23.5	26.5	25.5	26.0	29.5	28.0	29.0	28.0	26.5	27.5
2	25.0	23.5	24.0	27.0	25.5	26.0	29.5	28.5	29.0	29.0	27.0	28.0
3	25.5	24.0	24.5	27.0	25.5	26.5	30.5	29.0	29.5	29.0	27.5	28.5
4	26.0	24.5	25.5	27.0	25.5	26.5	30.5	29.0	30.0	29.0	27.5	28.0
5	25.5	24.5	25.0	27.5	25.5	26.5	31.0	29.0	30.0	28.0	27.0	27.5
6	25.5	24.5	25.0	28.5	26.5	27.5	32.0	29.5	30.0	28.5	27.0	27.5
7	25.5	25.0	25.5	28.0	27.0	27.5	30.5	29.0	29.5	28.0	27.0	27.5
8	27.0	25.0	26.0	28.0	26.5	27.0	29.5	28.0	28.5	28.0	27.0	27.5
9	26.5	25.0	26.0	28.0	27.0	27.5	30.5	27.5	29.0	27.5	26.0	27.0
10	25.5	24.0	25.0	28.0	27.0	27.5	30.5	28.5	29.5	26.5	25.5	26.0
11	25.5	24.5	25.0	28.5	26.0	27.5	30.5	29.0	29.5	26.5	25.5	26.0
12	25.0	24.0	24.5	29.0	27.5	28.5	30.0	28.5	29.5	26.5	25.0	26.0
13	25.0	23.5	24.0	30.0	28.0	29.0	30.0	28.5	29.0	26.5	25.5	26.0
14	24.5	23.0	24.0	30.0	28.5	29.5	30.0	28.5	29.5	27.5	25.5	26.5
15	25.5	24.0	25.0	29.5	28.0	28.5	30.0	29.0	29.5	28.0	26.5	27.0
16	26.5	25.0	26.0	29.0	28.0	28.5	30.0	28.5	29.0	28.0	27.0	27.5
17	26.0	25.0	25.5	29.0	27.5	28.0	29.0	26.5	27.5	28.5	27.5	28.0
18	25.0	24.0	24.5	29.5	28.0	29.0	28.0	26.0	27.0	28.5	27.5	28.0
19	24.5	23.0	24.0	29.5	28.5	29.0	28.5	27.0	27.5	28.0	27.5	27.5
20	25.5	23.0	24.0	29.5	28.5	29.0	29.0	27.5	28.0	28.0	27.0	27.5
21	24.5	24.0	24.0	30.0	28.0	29.0	28.5	27.5	28.0	28.0	27.0	27.5
22	25.5	24.0	24.5	29.5	28.0	29.0	28.0	27.0	27.5	28.5	27.5	28.0
23	25.0	24.0	24.5	29.0	26.0	28.0	27.0	26.0	26.5	28.5	27.5	28.0
24	24.5	23.5	23.5	27.0	26.0	26.5	27.0	26.0	26.5	28.0	27.5	28.0
25	23.5	23.0	23.5	27.5	26.5	27.0	27.0	25.5	26.5	28.5	27.5	28.0
26	23.5	23.0	23.0	29.0	26.5	27.5	26.5	25.5	26.0	28.0	27.5	28.0
27	25.0	23.0	24.0	28.5	27.5	28.0	26.5	25.0	26.0	28.0	26.0	27.0
28	26.0	24.0	25.0	28.5	27.5	28.0	26.5	25.5	26.0	27.0	24.0	25.5
29	26.5	25.5	26.0	29.0	27.5	28.5	26.5	25.0	26.0	24.5	21.0	23.0
30	27.0	25.5	26.0	28.5	27.0	28.0	27.0	25.5	26.5	21.5	19.5	20.5
31	---	---	---	29.0	27.5	28.0	27.5	26.0	27.0	---	---	---
YEAR	32.0	4.5	18.5									

02135000 LITTLE PEE DEE RIVER AT GALIVANTS FERRY, S.C.

LOCATION.--Lat 34°03'25", long 79°14'50", Horry-Marion County Line, Hydrologic Unit 03040204, near left bank on downstream side of bridge on U.S. Highway 501, at Galivants Ferry, 1.0 mi (1.6 km) downstream from Lake Swamp, and at mile 41.7 (67.1 km).

DRAINAGE AREA.--2,790 mi^2 (7,230 km^2), approximately.

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 23.95 ft (7.300 m) National Geodetic Vertical Datum of 1929. Prior to July 26, 1967, nonrecording gage and crest-stage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 3,243 ft^3/s (91.84 m^3/s), 15.78 in/yr (401 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,600 ft^3/s (782 m^3/s) Oct. 9, 10, 1964, gage height, 13.01 ft (3.965 m); minimum, 155 ft^3/s (4.39 m^3/s) Oct. 12, 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 16.0 ft (4.877 m) in September 1928, from floodmark set by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,800 ft^3/s (419 m^3/s) April 1, gage height, 11.60 ft (3.536 m); minimum, 290 ft^3/s (8.21 m^3/s) Sept. 7, gage height, 3.35 ft (1.021 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3140	1090	5820	3130	6070	3950	14400	3970	3610	754	494	310
2	3160	1050	6220	3110	5970	3840	14200	3640	3520	747	466	306
3	3100	1030	6400	3110	5850	3730	13500	3330	3420	747	443	298
4	3030	991	6400	3110	5680	3590	12800	3030	3240	764	416	296
5	3130	966	6240	3100	5490	3540	12000	2770	2990	805	390	298
6	3270	946	6270	3070	5400	3570	11000	2540	2710	823	374	296
7	3420	941	6470	3050	5240	3640	9900	2340	2400	827	364	290
8	3520	941	6400	3070	5110	3860	8950	2220	2110	855	354	296
9	3610	966	6420	3170	5000	4140	8210	2170	1800	908	352	304
10	3660	1030	6370	3170	5090	4430	7560	2110	1480	922	354	300
11	3680	1180	6240	3270	5090	4700	7060	2070	1140	837	356	298
12	3690	1490	6040	3400	5240	5260	6580	2020	927	725	352	306
13	3660	1740	5820	3520	5420	6140	6140	1940	771	667	354	316
14	3540	2000	5630	3780	5560	6870	5870	1850	698	632	350	324
15	3380	2240	5400	3970	5730	7970	5630	1710	654	605	344	324
16	3190	2460	5220	4200	5990	8990	5560	1560	623	572	336	318
17	2970	2770	4980	4410	6140	9440	6070	1390	599	539	344	312
18	2780	3160	4760	4660	6120	10600	6290	1400	596	508	342	304
19	2580	3520	4560	4830	6020	11000	6270	1460	590	488	336	302
20	2380	3780	4370	5000	5850	11500	6370	1710	569	468	350	322
21	2200	3910	4220	5170	5660	11900	6420	1960	575	451	346	338
22	2040	3930	4040	5310	5520	11800	6320	2490	596	434	356	326
23	1890	3880	3890	5540	5380	11800	6090	3160	614	438	352	320
24	1750	3800	3750	5660	5240	11700	5800	3480	623	474	336	318
25	1620	3730	3680	5780	5060	11300	5470	3550	629	466	330	328
26	1500	4160	3570	5900	4830	10800	5130	3660	654	462	328	340
27	1390	4270	3470	6020	4580	10200	4850	3780	670	500	326	354
28	1300	4530	3370	6040	4350	9630	4780	3890	687	578	324	366
29	1220	5000	3270	6070	4140	10000	4490	3840	719	623	320	404
30	1170	5420	3210	6120	---	11000	4240	3730	747	596	318	443
31	1120	---	3160	6170	---	13000	---	3680	---	539	314	---
TOTAL	82090	76921	155660	135910	156820	243890	227950	82450	40960	19754	11121	9657
MEAN	2648	2564	5021	4384	5408	7867	7598	2660	1365	637	359	322
MAX	3690	5420	6470	6170	6140	13000	14400	3970	3610	922	494	443
MIN	1120	941	3160	3050	4140	3540	4240	1390	569	434	314	290
CFSM	.95	.92	1.80	1.57	1.94	2.82	2.72	.95	.49	.23	.13	.12
IN.	1.09	1.03	2.08	1.81	2.09	3.25	3.04	1.10	.55	.26	.15	.13

CAL YR 1979 TOTAL 1411873 MEAN 3868 MAX 20000 MIN 488 CFSM 1.39 IN 18.82
WTR YR 1980 TOTAL 1243183 MEAN 3397 MAX 14400 MIN 290 CFSM 1.22 IN 16.58

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 34°09'02", long 80°18'18", Lee County, Hydrologic Unit 03040205, at bridge on U.S. Highway 15, 0.1 mi (0.2 km) downstream from Beaverdam Creek, 0.9 mi (1.4 km) upstream from Seaboard Coast Line Railroad bridge and 5.8 mi (9.3 km) southwest of Bishopville.

DRAINAGE AREA.--96.0 mi^2 (249 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 164.53 ft (50.149 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for period of no gage-height record, Dec. 11 to Jan. 15, which is poor.

AVERAGE DISCHARGE.--12 years, 111 ft^3/s (3.144 m^3/s), 15.70 in/yr (399 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,700 ft^3/s (48.1 m^3/s), Sept. 7, 1979, gage height, 8.54 ft (2.603 m); minimum daily, 6.7 ft^3/s (0.19 m^3/s) July 21, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft^3/s (14.2 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 31	0600	*684	19.4	*6.99	2.131
June 25	1200	598	16.9	6.83	2.082

Minimum daily, 9.8 ft^3/s (0.28 m^3/s) Aug. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	61	139	100	170	98	512	74	33	41	17	12
2	169	65	124	100	163	101	418	74	30	31	23	11
3	191	104	109	100	154	107	332	72	28	27	19	11
4	184	145	96	100	147	118	278	65	25	26	13	11
5	167	197	89	100	137	136	245	62	24	24	11	12
6	158	193	90	100	130	155	225	60	23	23	10	13
7	154	175	103	100	132	166	206	55	22	21	10	12
8	144	151	112	100	140	185	197	53	21	19	11	12
9	139	125	111	100	151	215	201	84	21	17	11	12
10	130	105	110	120	197	225	208	86	20	17	11	12
11	109	119	109	140	238	225	208	64	19	21	10	12
12	86	180	105	150	254	221	201	56	19	22	11	11
13	70	201	100	170	249	294	206	50	18	20	12	11
14	62	215	95	180	217	347	231	47	18	18	11	11
15	58	206	95	185	187	362	242	45	17	17	9.8	11
16	56	184	95	178	170	318	254	43	17	16	11	10
17	54	160	100	167	161	259	254	40	17	15	30	10
18	54	139	100	175	150	271	227	50	25	14	31	11
19	54	123	100	189	140	304	199	52	32	14	30	13
20	58	109	100	191	132	359	175	93	32	14	31	16
21	59	98	100	191	125	362	160	225	29	15	24	20
22	59	93	100	187	123	321	147	238	25	14	23	19
23	59	89	95	193	126	304	135	223	23	15	30	17
24	64	86	95	197	129	283	123	204	31	18	27	16
25	63	85	95	199	135	259	110	147	469	18	23	17
26	61	109	95	197	134	240	97	81	410	17	19	17
27	60	131	95	197	121	231	87	60	359	17	17	16
28	58	148	100	187	109	249	80	51	249	15	15	18
29	57	154	95	175	102	347	77	44	182	15	14	86
30	60	150	95	166	---	499	78	38	96	17	13	172
31	64	---	100	167	---	651	---	35	---	17	13	---
TOTAL	2922	4099	3147	4801	4523	8212	6113	2571	2334	595	540.8	632
MEAN	94.3	137	102	155	156	265	204	82.9	77.8	19.2	17.4	21.1
MAX	191	215	139	199	254	651	512	238	469	41	31	172
MIN	54	61	89	100	102	98	77	35	17	14	9.8	10
CFSM	.98	1.43	1.06	1.62	1.63	2.76	2.13	.86	.81	.20	.18	.22
IN.	1.13	1.59	1.22	1.86	1.75	3.18	2.37	1.00	.90	.23	.21	.24

CAL YR 1979 TOTAL 49976.0 MEAN 137 MAX 1450 MIN 18 CFSM 1.43 IN 19.37
WTR YR 1980 TOTAL 40489.8 MEAN 111 MAX 651 MIN 9.8 CFSM 1.16 IN 15.69

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1971 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
OCT 10...	0930	115	25	5.1	17.0	6.7	420	203	226	5	4
NOV 14...	1045	192	28	5.3	11.0	8.5	460	280	330	--	--
DEC 19...	1015	82	24	5.6	4.5	10.8	127	108	K40	3	1
JAN 15...	0945	156	25	5.8	6.0	10.5	410	213	152	4	2
FEB 12...	0945	214	29	5.9	2.0	12.0	547	187	148	4	2
MAR 11...	0915	183	26	5.8	11.5	8.9	180	143	159	4	0
APR 09...	0930	153	21	5.5	18.5	7.2	40	--	142	4	3
MAY 20...	0830	42	24	5.8	20.0	7.4	250	253	560	17	1
JUN 03...	0900	22	26	5.5	25.0	7.8	--	120	85	4	0
JUL 09...	0830	13	25	5.9	23.0	7.2	613	225	490	4	0
AUG 13...	0840	10	28	6.1	22.5	6.7	1820	K890	K2530	5	1
SEP 09...	0930	11	24	6.0	21.5	7.2	945	290	760	4	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT 10...	1.0	.5	2.8	54	.6	.5	1	2.0	4.5	.0
NOV 14...	--	--	--	--	--	--	--	--	--	--
DEC 19...	.7	.4	3.0	74	.7	.4	2	1.7	4.8	.0
JAN 15...	.8	.5	3.1	74	.7	.3	2	3.1	3.8	.0
FEB 12...	.8	.6	3.0	57	.6	.4	2	4.0	3.8	.0
MAR 11...	.7	.5	2.7	58	.6	.4	7	4.2	3.9	.1
APR 09...	.9	.5	2.9	57	.6	.4	1	3.1	3.9	.0
MAY 20...	3.9	1.7	6.2	42	.7	1.5	58	3.1	4.1	.0
JUN 03...	.7	.5	3.4	63	.8	.4	6	2.8	3.8	.1
JUL 09...	.7	.5	2.9	59	.6	.4	6	1.0	3.5	.0
AUG 13...	.9	.7	3.8	58	.7	.6	4	2.0	3.8	.0
SEP 09...	.8	.6	3.4	62	.7	.1	7	1.5	3.8	.1

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 10...	9.1	46	21	.06	14.3	.02	.020	2	.62	100
NOV 14...	--	--	--	--	--	--	--	--	--	--
DEC 19...	7.3	35	20	.05	7.75	.09	.010	4	.89	100
JAN 15...	5.7	34	19	.05	14.3	.07	.010	2	.84	100
FEB 12...	4.0	23	18	.03	13.3	.08	.010	5	2.9	100
MAR 11...	1.9	30	19	.04	14.8	.01	.030	3	1.5	100
APR 09...	1.2	29	14	.04	12.0	.05	.020	4	1.7	100
MAY 20...	12	50	8	.01	.91	.20	.030	18	2.0	100
JUN 03...	6.7	36	23	.05	2.14	.36	.020	20	1.2	88
JUL 09...	6.9	29	22	.04	1.02	.47	.020	1	.04	100
AUG 13...	7.7	40	25	.05	1.08	.63	.050	2	.05	100
SEP 09...	8.2	36	23	.05	1.07	.53	.020	5	.15	65

DATE	TIME	PCB TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 14...	1045	.00	2	.00	.00	.0	.0	0	.00	.0	.00	1.8

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)
NOV 14...	.00	61	.00	.00	.0	.00	.00	.5	.00	.00	.0	.00

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)
NOV 14...	.0	.00	.0	.00	.00	.00	.00	.00	0	150	.00

DATE	TIME	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
NOV 14...	1045	.3	.5	.5	.8	1.5	<.5	1.4	<.6	.17	.36

02135500 BLACK RIVER NEAR GABLE, S.C.

LOCATION.--Lat 33°54'00", long 80°09'55", Sumter County, Hydrologic Unit 03040205, near left bank on downstream side of McBride Crossing on U.S. Highway 378, 1 mi (1.6 km) downstream from Church Branch, 6.3 mi (10.1 km) northwest of Gable, and at mile 123.1 (198.1 km).

DRAINAGE AREA.--401 mi^2 (1,039 km^2).

PERIOD OF RECORD.--June 1951 to June 1966, April 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 95 ft (29 m) (from topographic map). Crest-stage station October 1970 to September 1971 at same site and datum. Prior to Dec. 9, 1955, wire-weight gage at same site and datum.

REMARKS.--Records good, except those below 100 ft^3/s (2.83 m^3/s), which are fair.

AVERAGE DISCHARGE.--22 years, 393 ft^3/s (11.13 m^3/s), 13.31 in/yr (338 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft^3/s (354 m^3/s) Mar. 5, 1971, gage height, 6.82 ft (2.079 m); maximum gage height 6.92 ft (2.109 m) June 13, 1973; no flow for several days in 1954, 1956, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,760 ft^3/s (78.2 m^3/s) Mar. 31, gage height, 4.98 ft (1.518 m); minimum daily, 2.0 ft^3/s (0.057 m^3/s) Aug. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	86	398	298	745	316	2450	197	109	369	6.0	8.8
2	231	90	383	310	716	316	2000	193	90	241	5.0	8.8
3	214	101	369	316	678	322	1720	181	74	197	4.5	7.8
4	218	118	342	310	630	335	1440	172	61	231	3.7	7.8
5	231	152	322	310	574	348	1200	164	51	227	3.5	8.3
6	231	189	[illegible]	298	556	369	1010	149	44	172	3.5	9.2
7	227	214	[illegible]	286	538	383	860	132	40	115	3.5	8.3
8	231	197	348	281	521	441	765	121	37	79	4.0	7.4
9	241	181	335	310	538	521	745	145	33	58	3.5	7.4
10	231	168	327	362	697	574	716	135	32	47	3.3	7.4
11	209	292	310	441	817	621	891	126	30	48	2.9	7.8
12	193	504	304	521	922	697	922	112	29	40	2.7	8.8
13	172	660	298	574	912	1160	755	104	27	33	2.7	8.8
14	149	745	304	660	860	1790	640	98	25	29	2.3	9.2
15	135	716	298	678	786	2060	574	90	25	25	2.0	8.3
16	129	678	310	707	736	1750	849	83	23	23	2.5	7.4
17	121	611	310	707	688	1400	955	74	29	20	17	7.0
18	115	521	304	697	621	1430	806	88	41	17	13	7.8
19	118	457	292	697	565	1440	650	126	43	15	7.8	8.8
20	123	398	281	697	513	1400	538	281	39	13	8.3	11
21	118	362	270	697	472	1530	464	329	164	11	7.8	12
22	112	329	260	688	449	1630	412	355	81	9.7	9.2	15
23	106	298	255	726	427	1510	362	449	58	9.2	9.7	15
24	101	281	250	707	412	1330	316	513	64	10	9.7	34
25	98	275	260	716	405	1180	281	521	201	9.7	10	48
26	96	369	260	726	376	1070	255	434	335	9.7	10	32
27	90	412	260	786	362	999	236	316	227	9.7	10	25
28	90	419	265	786	342	988	222	250	255	9.2	11	26
29	86	427	260	765	329	1320	222	205	640	8.8	10	109
30	86	419	265	736	---	2410	209	172	565	7.8	11	168
31	86	---	281	755	---	2700	---	142	---	7.0	9.7	---
TOTAL	4833	10669	9393	17548	17187	34340	23465	6457	3472	2100.8	209.8	650.1
MEAN	156	356	303	566	593	1108	782	208	116	67.8	6.77	21.7
MAX	245	745	[illegible]	786	922	2700	2450	521	640	369	17	168
MIN	86	86	[illegible]	281	329	316	209	74	23	7.0	2.0	7.0
CFSM	.39	.89	.76	1.41	1.48	2.76	1.95	.52	.29	.17	.02	.05
IN.	.45	.99	.87	1.63	1.59	3.19	2.18	.60	.32	.19	.02	.06

CAL YR 1979 TOTAL 164305.0 MEAN 450 MAX 3920 MIN 17 CFSM 1.12 IN 15.24
WTR YR 1980 TOTAL 130324.7 MEAN 356 MAX 2700 MIN 2.0 CFSM .89 IN 12.09

02136000 BLACK RIVER AT KINGSTREE, S.C.
(National stream-quality accounting network station)
(Pesticide program station)

LOCATION.--Lat 33°39'40", long 79°50'10", Williamsburg County, Hydrologic Unit 03040205, on left bank at downstream side of bridge on U.S. Highway 52 at Kingstree, 1.0 mi (1.6 km) downstream from Kingstree Swamp Canal, and at mile 86.7 (139.5 km).

DRAINAGE AREA.--1,252 mi^2 (3,243 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1894 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1032: 1928(m), drainage area. WSP 1333: 1930(m), 1931, 1936.

GAGE.--Water-stage recorder. Datum of gage is 25.66 ft (7.821 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of no gage-height record, Feb. 3 to Mar. 5 and May 9 to June 10, which are poor.

AVERAGE DISCHARGE.--51 years, 942 ft^3/s (26.68 m^3/s), 10.22 in/yr (260 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 58,000 ft^3/s (1,640 m^3/s) June 14, 1973, gage height, 19.77 ft (6.026 m); minimum, 2.0 ft^3/s (0.06 m^3/s) Sept. 12-15, Oct. 7, 8, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,060 ft^3/s (228 m^3/s) Mar. 23, gage height, 12.68 ft (3.865 m); minimum, 10 ft^3/s (0.28 m^3/s) Sept. 21-24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	203	1290	850	2660	1300	5950	838	600	467	28	20
2	1180	196	1310	900	2670	1250	6700	754	550	480	26	19
3	1120	195	1270	900	2620	1200	7240	674	450	500	26	16
4	1060	196	1190	950	2500	1200	7270	603	360	500	24	18
5	1000	198	1100	950	2400	1190	6670	547	300	500	24	16
6	929	199	1070	900	2200	1190	5830	502	260	480	24	17
7	851	202	1170	900	2100	1220	5140	461	200	460	22	17
8	775	205	1210	900	2000	1260	4600	421	170	440	22	15
9	700	209	1190	953	2000	1360	4200	391	140	380	20	15
10	646	219	1150	971	2100	1490	3680	360	125	300	20	14
11	615	240	1120	998	2400	1600	3420	360	117	240	20	14
12	597	285	1100	1050	2700	1740	3110	380	104	180	20	14
13	584	349	1080	1120	2900	2390	2940	420	93	150	19	13
14	574	435	1040	1250	3000	3430	2910	400	84	140	19	13
15	559	547	989	1450	2900	4600	2840	380	76	130	17	12
16	532	688	989	1750	2800	6140	2710	360	68	110	17	12
17	499	861	994	1940	2700	6540	2500	320	62	90	43	11
18	459	1020	980	2070	2500	6480	2280	300	67	80	49	11
19	420	1110	962	2130	2300	7220	2110	280	64	70	36	11
20	388	1140	949	2200	2200	7660	1980	280	73	65	29	11
21	362	1140	940	2300	2000	7630	1930	300	79	55	26	10
22	336	1120	940	2300	1900	7910	1890	340	76	42	25	10
23	315	1090	926	2300	1750	8000	1790	400	67	40	25	10
24	302	1030	912	2400	1700	7180	1660	480	63	36	26	10
25	285	967	898	2400	1550	6550	1520	550	80	32	26	13
26	269	1050	881	2400	1500	5800	1400	600	250	28	28	14
27	254	1070	858	2500	1450	5180	1280	650	401	30	29	12
28	241	1100	835	2600	1400	4760	1160	700	427	30	29	12
29	231	1140	812	2700	1350	4660	1040	700	449	30	26	22
30	222	1210	806	2700	---	4880	932	700	468	30	25	27
31	212	---	800	2700	---	5300	---	650	---	28	23	---
TOTAL	17727	19614	31761	52432	64250	128310	98682	15101	6323	6143	793	429
MEAN	572	654	1025	1691	2216	4139	3289	487	211	198	25.6	14.3
MAX	1210	1210	1310	2700	3000	8000	7270	838	600	500	49	27
MIN	212	195	800	850	1350	1190	932	280	62	28	17	10
CFSM	.46	.52	.82	1.35	1.77	3.31	2.63	.39	.17	.16	.02	.01
IN.	.53	.58	.94	1.56	1.91	3.81	2.93	.45	.19	.18	.02	.01

CAL YR 1979 TOTAL 437378 MEAN 1198 MAX 8760 MIN 71 CFSM .96 IN 13.00
WTR YR 1980 TOTAL 441565 MEAN 1206 MAX 8000 MIN 10 CFSM .96 IN 13.12

02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1962 to September 1966, July 1972 to July 1973, October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1975 to current year.
WATER TEMPERATURE: April 1975 to current year.

INSTRUMENTATION.--Servo Programmer since April 1975.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 185 micromhos Nov. 30, 1978; minimum, 41 micromhos Mar. 31, 1980.
WATER TEMPERATURE: Maximum, 32.0°C Aug. 8-15, 16, 1980; minimum, 0.5°C Jan. 19-24, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, >167 micromhos July 24-31, Aug 1-31, Sept. 1-30; minimum, 41 micromhos Mar. 31.
WATER TEMPERATURE: Maximum, 32.0°C Aug. 8-15, 16; minimum, 2.0°C Feb. 5, 6, 7.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
OCT 02...	1205	1250	67	6.0	23.0	3.0	5.0	100	110	15	7	3.9
NOV 06...	1215	275	92	6.7	14.0	2.0	8.3	62	K40	16	0	4.1
DEC 12...	1305	1420	65	6.2	10.5	2.0	9.4	118	52	13	6	3.3
JAN 08...	1215	1130	72	6.6	6.5	5.0	11.8	185	260	14	0	3.5
FEB 05...	1245	1140	65	6.5	3.0	2.5	12.0	78	K33	14	7	3.6
MAR 05...	1345	1460	70	6.8	5.5	2.0	11.2	112	K5	14	8	3.5
APR 01...	1245	6230	46	6.0	16.5	.80	8.2	--	108	12	7	3.1
MAY 06...	1145	579	63	6.3	20.0	4.6	6.5	62	128	11	0	2.3
JUN 05...	1230	410	70	6.1	25.0	3.5	6.2	--	--	14	0	3.5
JUL 01...	1230	549	95	6.7	26.2	1.3	6.1	95	92	28	19	7.3
AUG 05...	1150	61	140	7.0	30.0	3.0	6.8	K25	55	18	0	4.6
SEP 03...	1130	47	200	7.2	28.5	2.4	5.9	48	K44	17	0	4.0

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT 02...	1.3	7.3	.8	9.0	1.7	8	16	4.7	9.6	.1	11	76
NOV 06...	1.5	13	1.4	15	2.3	25	--	6.0	12	.1	11	84
DEC 12...	1.2	6.6	.8	8.3	1.7	7	--	4.9	11	.0	4.6	65
JAN 08...	1.2	7.6	.9	8.8	1.2	17	--	5.5	12	.1	6.2	60
FEB 05...	1.3	6.5	.7	7.5	1.0	7	--	6.9	10	.1	4.3	56
MAR 05...	1.2	7.0	.8	8.2	1.2	6	--	5.7	11	.1	1.5	56
APR 01...	1.1	4.1	.5	5.5	1.4	5	--	5.7	5.1	.0	1.2	43
MAY 06...	1.2	9.4	1.3	--	1.1	14	--	6.2	7.7	.1	5.9	56
JUN 05...	1.3	8.6	1.0	--	1.1	17	--	5.2	8.9	.1	7.1	75
JUL 01...	2.3	8.0	.7	--	1.1	9	--	21	7.8	.1	8.2	97
AUG 05...	1.7	25	2.5	--	2.5	37	--	7.7	15	.3	11	123
SEP 03...	1.7	36	3.8	--	3.2	57	--	15	20	.5	14	140

02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT 02...	45	.10	256	.11	.050	.06	--	.91	.96	.00	.99
NOV 06...	65	.11	62.4	.06	.010	.01	.01	.91	.92	.00	.95
DEC 12...	42	.09	249	.06	.020	.02	.00	.52	.54	.00	.67
JAN 08...	48	.08	183	.07	.020	.02	.00	.52	.54	.11	.43
FEB 05...	39	.08	172	.19	.000	.00	.01	.44	.44	.00	.47
MAR 05...	36	.08	221	.08	.010	.01	.05	.50	.51	.01	.50
APR 01...	26	.06	723	.10	.050	.06	.09	.44	.49	.03	.46
MAY 06...	44	.08	87.5	.28	.040	.05	.05	.31	.35	.00	.38
JUN 05...	47	.10	83.0	.16	.160	.19	.18	9.8	10	9.5	.53
JUL 01...	62	.13	144	.08	.020	.02	.05	.62	.64	.13	.51
AUG 05...	91	.17	20.3	.13	.090	.11	.09	.50	.59	.00	.60
SEP 03...	130	.19	17.8	.21	.070	.08	.00	.39	.46	.03	.43

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. FINER THAN .062 MM
OCT 02...	1.1	4.7	.100	.31	.050	--	11	--	5	17	100
NOV 06...	.98	4.3	.170	.52	.130	--	19	270	3	2.2	100
DEC 12...	.60	2.7	.050	.15	.040	0	--	--	2	7.7	100
JAN 08...	.61	2.7	.040	.12	.040	--	9.4	--	4	12	100
FEB 05...	.63	2.8	.030	.09	.040	--	24	--	2	6.2	100
MAR 05...	.59	2.6	.050	.15	.040	0	--	180	3	12	100
APR 01...	.59	2.6	.050	.15	.020	--	12	--	8	135	100
MAY 06...	.63	2.8	.060	.18	.050	--	15	--	7	11	100
JUN 05...	10	45	.160	.49	.120	0	--	13	8	8.9	100
JUL 01...	.72	3.2	.080	.25	.060	0	13	900	21	31	100
AUG 05...	.72	3.2	.600	1.8	.490	0	4.3	320	9	1.5	47
SEP 03...	.67	3.0	.480	1.5	.380	0	--	120	2	.25	90

02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
DEC 12...	1305	1	1	0	0	0	40	0	0	3	<10
MAR 05...	1345	0	0	0	<50	<0	70	0	0	5	20
JUN 05...	1230	2	0	2	<50	--	80	0	0	5	<10
SEP 03...	1130	1	0	1	100	100	0	0	0	0	30

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
DEC 12...	<0	<10	2	2	0	1	0	53	390	110
MAR 05...	10	10	0	0	0	<10	0	21	370	40
JUN 05...	--	20	0	0	0	3	0	5	860	360
SEP 03...	20	10	0	0	0	3	0	45	750	210

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
DEC 12...	280	1	0	2	10	0	10	.1	.0	<.1
MAR 05...	330	7	3	4	10	2	8	.1	.0	<.1
JUN 05...	500	3	3	0	40	0	40	.3	.0	.3
SEP 03...	540	2	0	10	90	10	80	.2	.1	.1

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
DEC 12...	0	0	0	0	0	170	20	150	13	.4
MAR 05...	0	0	0	0	0	310	120	190	10	.5
JUN 05...	0	0	0	0	0	20	0	30	16	.1
SEP 03...	0	0	0	0	0	30	0	140	9.9	.6

02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	84	78	82	82	72	81	69	67	68	---	---	---
2	76	68	71	87	82	84	72	67	69	---	---	---
3	67	66	67	88	84	86	72	67	69	---	---	---
4	68	66	67	88	86	87	68	66	67	---	---	---
5	67	65	66	86	85	85	67	66	66	---	---	---
6	66	65	66	84	83	84	68	66	67	---	---	---
7	67	66	67	83	82	82	68	66	67	---	---	---
8	68	67	67	82	81	82	69	67	68	---	---	---
9	69	68	68	81	79	80	70	67	69	69	67	68
10	69	68	68	79	77	79	69	66	67	70	68	69
11	69	68	69	78	76	77	68	65	67	70	68	69
12	69	68	68	78	75	76	68	66	67	71	65	68
13	69	67	68	78	76	77	68	66	67	74	69	72
14	68	67	68	76	73	74	69	68	69	72	68	69
15	68	67	68	73	72	73	70	68	69	73	68	70
16	68	67	67	74	73	74	69	67	68	76	71	72
17	68	67	67	74	72	73	69	67	68	73	69	71
18	69	67	68	72	71	71	67	66	67	71	65	70
19	70	67	69	71	70	71	66	65	65	71	63	70
20	71	69	70	71	70	70	67	65	66	77	67	72
21	72	70	71	72	70	71	67	65	66	82	71	74
22	74	72	73	72	71	71	67	65	66	74	66	69
23	75	73	74	74	72	72	66	65	66	71	66	68
24	78	75	77	74	73	73	67	66	66	71	65	67
25	78	76	77	74	73	74	66	66	66	70	66	68
26	80	78	79	75	72	74	67	66	66	76	68	73
27	80	78	79	75	70	72	66	66	66	74	70	73
28	81	79	79	70	68	69	---	---	---	74	66	71
29	83	80	81	69	67	68	---	---	---	78	67	73
30	86	83	85	70	67	68	---	---	---	80	72	76
31	86	82	84	---	---	---	---	---	---	81	70	78

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	80	71	77	76	73	75	47	46	47	61	61	61
2	78	71	76	74	69	71	60	56	58	64	62	63
3	80	72	75	71	69	69	---	---	---	71	66	69
4	78	67	74	70	68	68	57	49	53	75	71	73
5	77	66	71	70	68	69	56	54	55	75	71	73
6	77	66	70	72	68	71	56	51	53	73	64	69
7	74	65	68	72	69	70	56	55	55	---	---	---
8	77	67	72	70	68	69	---	---	---	---	---	---
9	80	71	76	73	69	70	---	---	---	---	---	---
10	81	71	77	73	69	71	63	52	52	---	---	---
11	78	68	74	74	69	71	63	54	58	---	---	---
12	79	73	76	76	66	72	60	54	57	---	---	---
13	82	75	78	65	57	59	63	55	59	---	---	---
14	79	73	76	56	52	53	61	56	58	---	---	---
15	77	72	75	55	53	54	58	56	57	---	---	---
16	75	65	70	56	53	55	60	56	59	---	---	---
17	79	70	75	56	51	53	60	56	58	---	---	---
18	80	73	78	53	50	51	61	56	58	---	---	---
19	78	72	76	52	50	51	59	57	58	---	---	---
20	74	67	71	52	50	51	---	---	---	---	---	---
21	71	67	69	51	45	48	62	57	59	---	---	---
22	70	65	69	49	44	47	59	57	58	---	---	---
23	72	67	69	50	44	48	---	56	---	---	---	---
24	74	70	72	51	43	48	---	---	---	---	---	---
25	75	70	72	53	46	50	58	55	56	---	---	---
26	71	70	71	54	49	52	58	58	58	---	---	---
27	71	69	70	56	49	53	---	---	---	---	---	---
28	72	69	70	55	44	52	---	---	---	---	---	---
29	76	70	74	53	47	50	61	59	60	---	---	---
30	---	---	---	54	43	49	---	---	---	---	---	---
31	---	---	---	52	41	47	---	---	---	---	---	---

02136000 BLACK RIVER AT KINGSTREE, S.C.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	100	96	98	167	---		167		
2	---	---	---	96	92	94	167	---		167		
3	---	---	---	95	87	91	167	---		167		
4	---	---	---	87	79	83	167	---		167		
5	---	---	---	79	69	74	167	---		167		
6	---	---	---	68	64	65	167	---		167		
7	---	---	---	55	64	64	167	---		167		
8	---	---	---	67	65	66	67	---		167		
9	---	---	---	69	67	68	167	---		167		
10	77	74	75	74	69	72	167	---		167		
11	96	75	83	81	72	77	167	---		167		
12	89	95	87	85	81	83	167	---		167		
13	91	86	88	98	86	91	167	---		167		
14	98	91	95	101	90	96	167	---		167		
15	101	93	98	100	95	97	167	---		167		
16	99	93	97	103	95	99	167	---		167		
17	105	96	100	120	102	110	167	---		167		
18	116	97	106	119	112	116	167	153		167		
19	121	117	119	121	113	117	167	161		167		
20	116	104	110	131	116	123	167	172		167		
21	106	103	105	138	130	134	167	---		167		
22	110	87	106	148	136	143	167	---		167		
23	110	105	107	157	147	153	167	---		167		
24	114	105	108	167	---	---	167	---		167		
25	153	111	120	167	---	---	167	---		167		
26	140	70	82	167	---	---	167	---		167		
27	106	81	100	167	---	---	167	---		167		
28	104	102	103	167	---	---	167	---		167		
29	103	100	102	167	---	---	167	---		167		
30	102	99	100	167	---	---	167	---		167		
31	---	---	---	167	---	---	167	---		---		
YEAR	167	41	74									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.0	22.0	22.5	17.0	16.0	16.5	9.5	8.0	8.5	---	---	---
2	23.0	22.0	22.5	18.0	17.0	17.5	8.0	7.0	7.5	---	---	---
3	22.5	21.5	22.0	18.5	17.0	18.0	6.5	5.5	6.0	---	---	---
4	21.5	20.5	21.0	17.0	15.5	16.5	5.5	4.5	5.0	---	---	---
5	20.5	19.5	21.0	15.5	14.0	14.5	5.5	4.5	5.0	---	---	---
6	19.5	18.5	19.0	14.0	13.0	13.5	7.0	5.5	6.0	---	---	---
7	18.5	18.0	18.0	13.5	12.0	13.0	9.5	7.5	8.5	---	---	---
8	18.0	17.0	17.5	13.0	11.5	12.5	10.0	9.0	9.5	---	---	---
9	18.0	17.0	17.5	13.5	12.0	13.0	9.5	8.5	9.0	9.0	8.0	8.5
10	17.5	17.0	17.5	15.5	13.5	14.5	8.5	7.5	8.0	9.0	8.5	9.0
11	17.0	16.0	16.5	16.5	15.5	16.0	8.0	7.0	7.5	10.5	9.0	9.5
12	16.5	15.5	16.0	16.5	16.0	16.5	9.5	7.5	8.5	11.0	10.5	11.0
13	16.5	15.5	16.0	16.0	14.5	15.5	11.0	9.0	10.0	10.5	9.0	10.0
14	16.5	15.5	16.0	14.5	12.5	13.5	11.5	11.0	11.5	9.0	8.0	8.5
15	15.5	14.5	15.0	12.5	11.0	11.5	11.0	10.0	10.5	9.0	7.5	8.5
16	15.0	14.0	14.5	11.0	10.0	10.5	10.0	10.0	10.0	9.5	8.5	9.0
17	16.0	14.5	15.0	10.5	9.5	10.0	10.0	8.0	9.5	10.5	9.5	10.0
18	17.0	15.5	16.0	11.0	10.0	10.5	8.0	6.5	7.5	11.5	10.5	11.0
19	18.0	16.5	17.5	11.5	10.5	11.0	6.5	5.5	6.0	11.5	11.0	11.0
20	19.0	17.5	18.5	12.0	11.0	11.5	6.0	5.5	6.0	11.0	10.0	.0
21	20.0	18.5	19.0	12.0	11.0	11.5	6.5	6.0	6.0	11.0	10.0	.0
22	20.5	19.0	19.5	13.0	12.0	12.5	7.0	6.5	6.5	11.0	10.5	.5
23	20.5	19.5	20.0	14.0	13.0	13.5	8.0	7.0	7.5	12.0	11.0	11.5
24	19.5	18.0	19.0	15.5	14.0	14.5	10.5	8.0	9.0	11.0	9.5	10.0
25	18.0	16.5	17.5	16.5	15.5	16.0	10.5	10.5	10.5	9.5	9.0	9.0
26	16.5	15.0	15.5	17.5	16.5	17.0	10.0	9.0	10.0	9.5	9.5	9.5
27	15.0	13.5	14.0	16.5	15.5	16.0	9.0	8.5	9.0	9.5	9.0	9.5
28	14.5	13.0	13.5	15.5	14.5	15.0	---	---	---	9.0	8.5	9.0
29	15.0	13.0	14.0	15.0	12.5	14.0	---	---	---	10.0	8.5	9.0
30	15.5	14.0	15.0	12.5	10.0	11.0	---	---	---	9.5	8.5	9.0
31	16.5	15.0	16.0	---	---	---	---	---	---	8.5	6.5	7.5

02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.5	4.5	5.5	11.0	8.0	9.5	17.0	16.0	16.5	18.5	17.5	18.0
2	4.5	3.0	4.0	7.5	4.0	6.0	17.5	16.5	17.0	18.5	17.0	17.5
3	3.5	3.0	3.5	4.0	2.5	3.5	---	---	---	20.0	19.0	19.5
4	3.5	2.5	3.0	4.5	2.5	3.5	19.0	18.0	18.5	22.5	20.5	21.5
5	3.0	2.0	2.5	6.0	4.5	5.0	18.5	17.5	18.0	21.5	21.0	21.5
6	3.5	2.0	2.5	9.0	6.0	7.5	17.5	16.5	17.0	21.5	20.0	20.5
7	3.5	2.0	2.5	10.0	9.0	9.0	17.0	16.5	17.0	---	---	---
8	4.0	3.0	3.5	13.0	12.0	12.5	---	---	---	---	---	---
9	5.0	4.0	4.5	15.0	13.5	14.0	---	---	---	---	---	---
10	5.5	4.5	5.0	14.5	14.0	14.5	20.0	18.5	19.0	---	---	---
11	5.5	4.0	4.5	15.0	14.0	14.5	20.0	18.0	19.0	---	---	---
12	6.5	4.5	5.5	15.0	11.0	13.0	19.5	18.5	19.0	---	---	---
13	6.5	5.0	6.0	11.0	9.5	10.0	20.5	19.0	19.5	---	---	---
14	7.5	5.5	6.5	11.0	8.5	10.0	21.0	19.0	20.0	---	---	---
15	8.0	6.5	7.0	12.0	9.5	10.5	20.5	18.0	19.0	---	---	---
16	9.5	7.5	8.5	13.0	10.5	11.5	17.5	16.5	17.0	---	---	---
17	9.0	8.0	8.5	14.5	13.0	13.5	17.0	15.5	16.5	---	---	---
18	7.5	6.5	7.0	16.0	14.0	15.0	17.0	15.0	16.0	---	---	---
19	7.5	6.0	7.0	15.5	14.0	15.0	17.5	16.0	16.5	---	---	---
20	8.0	7.0	7.5	15.0	14.5	15.0	18.0	16.0	17.0	---	---	---
21	10.5	8.0	9.0	17.0	15.0	16.0	18.0	16.0	17.0	---	---	---
22	12.0	10.5	11.0	16.0	14.5	15.5	---	---	---	---	---	---
23	14.0	12.0	12.5	15.5	14.0	14.5	18.5	18.0	18.5	---	---	---
24	15.5	14.0	14.5	14.5	14.0	14.5	---	---	---	---	---	---
25	16.0	15.0	15.5	16.0	14.0	15.0	21.5	21.0	21.0	---	---	---
26	15.0	12.0	13.0	15.5	15.0	15.5	22.5	21.5	22.0	---	---	---
27	11.5	10.0	10.5	17.0	15.0	15.5	---	---	---	---	---	---
28	11.0	9.5	10.0	16.0	15.0	15.0	---	---	---	---	---	---
29	11.5	10.5	11.0	15.5	15.0	15.5	20.5	19.0	20.0	---	---	---
30	---	---	---	16.0	15.0	15.5	---	---	---	---	---	---
31	---	---	---	17.5	15.5	16.5	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMRER	
1	---	---	---	27.5	26.0	27.0	29.0	28.5	28.5	29.5	29.0	29.5
2	---	---	---	27.5	26.0	26.5	29.0	29.0	29.0	30.0	29.5	29.5
3	---	---	---	27.0	26.0	26.5	30.0	29.0	29.5	30.5	30.0	30.0
4	---	---	---	27.0	26.0	26.5	30.0	29.5	30.0	30.0	29.5	29.5
5	---	---	---	27.5	25.5	26.5	30.0	30.0	30.0	30.0	29.0	29.5
6	---	---	---	28.0	26.5	27.0	30.0	29.5	30.0	30.0	29.5	29.5
7	---	---	---	28.0	27.0	27.5	30.0	29.0	29.5	29.5	29.0	29.5
8	---	---	---	28.0	26.5	27.5	30.0	28.5	29.0	29.5	29.0	29.5
9	---	---	---	27.5	26.5	27.0	29.0	29.0	29.0	29.5	28.0	28.5
10	27.0	22.5	25.5	28.5	26.5	27.5	29.5	29.0	29.0	28.5	27.0	27.5
11	27.5	25.0	26.0	29.0	26.5	28.0	30.0	29.0	29.5	28.0	27.5	27.5
12	26.5	25.0	25.5	30.0	27.5	28.5	30.0	29.5	29.5	28.0	27.5	27.5
13	26.0	23.5	24.5	30.5	28.0	29.0	29.5	28.5	29.0	28.0	27.0	27.5
14	25.5	23.0	24.0	30.0	28.0	29.0	31.5	28.5	30.0	27.5	27.0	27.5
15	25.0	24.0	24.5	29.5	27.5	28.5	32.0	30.5	31.0	28.0	27.5	28.0
16	26.5	25.5	26.0	29.5	27.0	28.5	32.0	30.5	31.0	28.5	28.0	28.5
17	27.5	26.0	26.5	30.0	27.0	28.5	31.0	27.5	29.5	29.5	28.5	29.0
18	25.5	24.5	25.0	30.5	27.5	28.5	28.5	26.5	27.5	29.5	28.5	29.0
19	25.5	23.5	24.5	30.5	28.0	29.0	28.5	27.5	28.0	29.0	28.5	29.0
20	27.0	24.0	25.0	30.0	28.0	29.0	29.0	28.5	29.0	29.0	28.5	29.0
21	26.5	25.0	25.5	29.0	28.0	28.5	29.5	29.0	29.5	29.0	28.5	28.5
22	27.0	24.5	25.5	28.5	26.5	27.5	30.0	29.5	29.5	29.0	28.5	29.0
23	27.0	25.0	26.0	28.5	27.5	28.0	29.5	28.5	29.0	29.0	28.5	29.0
24	26.0	25.0	25.5	27.0	26.5	26.5	29.0	27.5	28.0	30.0	29.0	29.5
25	25.5	24.5	25.0	27.5	26.5	27.0	28.5	27.5	28.0	29.5	29.0	29.0
26	24.5	23.5	24.0	27.0	26.5	26.5	28.5	27.5	27.5	29.0	28.5	29.0
27	25.0	23.0	23.5	27.0	26.5	26.5	28.0	27.5	27.5	29.0	27.0	27.5
28	26.0	24.0	24.5	27.0	26.5	27.0	28.5	27.5	28.0	27.0	24.5	25.5
29	27.0	25.0	26.0	28.0	27.0	27.5	28.5	28.0	28.0	24.5	22.5	23.0
30	27.5	26.0	27.0	28.0	27.5	27.5	28.5	28.0	28.5	23.5	22.5	23.0
31	---	---	---	28.5	27.5	28.0	29.0	28.5	28.5	---	---	---
YEAR	32.0	2.0	18.0									

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.

LOCATION.--Lat 34°59'05", long 80°58'27", York County, Hydrologic Unit 03050103, on right bank at downstream side of bridge on U.S. Highway 21, 3.5 mi (5.6 km) downstream from Lake Wylie Dam, 5.0 mi (8.0 km) northeast of Rock Hill, 7.5 mi (12.1 km) upstream from Sugar Creek, and at mile 137.6 (221.4 km).

DRAINAGE AREA.--3,050 mi^2 (7,900 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1895 to September 1903, April 1942 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1303: 1895-1903, WSP 1333: 1942-43(M), 1953(M). WSP 1623: 1942-51 (yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 405.82 ft (148.078 m). Sept. 23, 1895, to July 31, 1903, nonrecording gage at Southern Railway bridge, 2.0 mi (3.2 km) downstream, at different datum.

REMARKS.--Records good. Flow regulated by Lake Wylie, usable capacity, 2,520,500,000 ft^3 (71,380,600 m^3) and by other powerplants above station.

AVERAGE DISCHARGE.--46 years, 4,614 ft^3/s (130.7 m^3/s) 20.54 in/yr (522 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft^3/s (4,280 m^3/s) May 23, 1901, gage height, 24.15 ft (7.361 m), site and datum then in use; minimum daily, 490 ft^3/s (13.9 m^3/s) Oct. 21, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,100 ft^3/s (598 m^3/s) April 17, gage height, 9.40 ft (2.865 m); minimum daily, 558 ft^3/s (15.8 m^3/s) June 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9660	5230	8070	5030	9550	6310	3230	11100	1790	7580	3450	1490
2	10400	5980	8750	7070	8870	4760	7370	5980	5730	6810	902	4960
3	11400	7360	8420	7110	3050	2770	8530	4990	6920	6610	779	2390
4	11400	4360	9240	8860	6240	4020	8570	805	5920	1790	5320	714
5	12800	7840	5730	8540	6440	4480	8570	5480	2160	3470	5690	3020
6	8420	7640	5230	3630	6850	2160	8680	3730	2440	4960	5110	714
7	9130	6480	5810	7050	4880	1790	8680	3520	2800	6710	5950	652
8	11400	6110	5340	7830	5850	1360	10600	2700	628	7090	3370	2060
9	11500	5180	2620	2750	1980	779	8950	5510	1080	7090	2930	4090
10	11600	6050	6090	5520	2570	701	8680	2180	2680	4790	1110	1230
11	11500	3950	6200	7810	3640	3950	10100	701	752	6920	3780	888
12	11500	5480	5730	4660	5980	6640	8570	5690	616	3660	4710	1280
13	8330	5370	4940	6830	4880	6270	8640	4910	1750	5540	2730	593
14	6730	9600	6020	8600	6270	4290	10400	6050	558	4540	1680	616
15	9180	9690	5640	8580	3970	3020	14200	4270	1230	4240	2930	1510
16	6860	9540	5350	9380	1740	1490	16400	689	4350	6310	931	628
17	7640	8470	7170	8040	2460	3710	15500	3000	805	5260	581	652
18	6930	5310	6340	9480	3540	4240	12600	5690	2260	4480	1660	640
19	6670	6720	6490	5420	2860	4320	11300	10400	2610	3870	1660	640
20	4600	6390	8100	8230	2730	5080	10900	10200	4480	1770	4990	902
21	4460	5680	6760	10800	1750	4380	8310	9400	689	3990	2160	1030
22	5810	5150	5560	10700	3660	7620	10500	8460	740	1680	1370	5200
23	5350	4970	2230	9860	1830	6340	11300	10400	7120	1290	689	4270
24	4430	4050	4550	9180	714	8760	11400	9880	6990	1510	689	3160
25	4630	3680	2510	9920	676	5200	11400	9140	5730	1660	1560	3160
26	4570	5920	5760	5950	5350	5600	10300	9060	5080	2000	3570	1810
27	3240	8810	5880	2910	4480	7260	9370	10300	7300	701	1630	689
28	700	8780	5960	8680	1580	8420	9960	9220	10100	3180	2640	727
29	5270	10000	5970	8830	3020	14000	9060	5820	9180	3570	3260	714
30	5890	9700	4750	8640	---	5630	10500	6920	8570	5630	701	3520
31	5420	---	5230	10900	---	3640	---	2100	---	5260	701	---
TOTAL	237420	199490	182440	236790	117410	148990	302570	188295	113058	133961	79233	53949
MEAN	7659	6650	5885	7638	4049	4806	10090	6074	3769	4321	2556	1798
MAX	12800	10000	9240	10900	9550	14000	16400	11100	10100	7580	5950	5200
MIN	700	3680	2230	2750	676	701	3230	689	558	701	581	593

CAL YR 1979 TOTAL 2401221 MEAN 6579 MAX 26100 MIN 700
WTR YR 1980 TOTAL 1993606 MEAN 5447 MAX 16400 MIN 558

02147000 CATAWBA RIVER NEAR CATAWBA, S.C.

LOCATION.--Lat 34°51'09", long 80°52'06", York County, Hydrologic Unit 03050103, on right bank, 60 ft (20 m) downstream from Seaboard Coast Line Railroad bridge, 200 ft (60 m) downstream from Twelvemile Creek, 2.5 mi (4.0 km) east of Catawba, and at mile 122.8 (197.6 km).

DRAINAGE AREA.--3,530 mi^2 (9,140 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1968 to current year. Annual peak stages from June 1906 to December 1948 and gage-height records since May 1958 are available in district office.

GAGE.--Water-stage recorder. Datum of gage is 446.18 ft (135.996 m) National Geodetic Vertical Datum of 1929 (levels by Bowaters Carolina Corporation). June 1906 to Dec. 21, 1948, nonrecording gage at site 2.1 mi (3.4 km) downstream at different datum.

REMARKS.--Records good. Flow regulated by Lake Wylie, usable capacity, 2,520,500,000 ft^3 (71,380,600 m^3) and by other powerplants above the station.

AVERAGE DISCHARGE.--12 years, 6,060 ft^3/s (171.6 m^3/s) 23.31 in/yr (592 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft^3/s (2,080 m^3/s) Oct. 9, 1976, gage height, 23.81 ft (7.257 m); minimum daily, 755 ft^3/s (21.4 m^3/s) Sept. 17, 1980.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Maximum stage known since June 1906, 40.4 ft (12.31 m) July 16, 1916 at site and datum then in use, from records furnished by the National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32,300 ft^3/s (915 m^3/s) Mar. 29, gage height, 14.00 ft (4.267 m); minimum daily, 755 ft^3/s (21.4 m^3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15800	5610	8690	5000	11300	5230	5100	12400	3130	8410	5280	858
2	11000	6140	9460	7530	10100	5560	7070	7240	3850	6190	1570	4540
3	12400	9960	8450	7140	4390	4240	9810	5680	7620	8600	1040	2640
4	12200	6670	10600	7930	5510	4110	9770	2750	6660	2950	2880	1960
5	15700	6260	6720	11100	6790	5470	9740	4520	3780	1930	6300	2130
6	12700	8730	5260	5100	7630	5440	9600	5480	2370	5910	5170	2110
7	8700	7190	6140	5450	6070	2410	9580	2840	2460	6000	5800	825
8	12300	6450	5650	9640	5560	6090	11000	4220	2950	7250	5270	1190
9	12200	5870	4220	4930	3770	7640	14500	4750	1120	7720	3030	3640
10	12300	6000	5000	4470	5070	2290	10600	4040	2290	5960	1680	2620
11	12300	6850	6510	9310	5610	3490	11000	1070	1750	7020	2580	968
12	12500	13500	6050	8630	6460	6190	9870	4440	929	5320	4760	1090
13	9340	6220	5300	6180	5830	11300	9750	4930	1780	5290	2910	953
14	7120	10600	6290	10500	6660	8270	11900	6650	1150	4490	3060	936
15	9940	10500	6060	11000	5910	5180	15600	6240	904	4400	2490	979
16	6430	10700	5670	10600	2380	1750	18100	1830	4310	5910	1770	1450
17	8660	9460	6670	8910	2700	3580	17700	2150	2300	6130	922	755
18	7320	6050	7550	13100	2740	7110	13600	6590	1550	5590	894	805
19	7600	6790	6400	15800	4000	6410	12600	11200	3430	5340	2220	849
20	4860	6830	7510	8650	2900	6280	12300	12600	4430	2100	3130	948
21	4890	5810	8430	12000	2280	15100	9440	15000	2390	4040	3590	978
22	5270	5580	5580	12100	2960	14300	10600	10200	893	2140	2170	4730
23	5400	5390	4200	13200	2860	8290	12200	10800	5090	1790	1380	4400
24	5760	4500	3700	10500	1250	10900	12300	11200	7880	1930	909	3620
25	4830	4700	3570	10800	1120	13200	12300	10400	7280	1690	872	4280
26	4730	6520	5200	6910	3860	7570	11700	9890	5550	2000	2530	2240
27	4500	10700	6860	3950	5210	8080	9810	10800	7340	1450	2780	1150
28	1120	9660	5590	9350	3150	10800	10300	9760	10500	1700	2340	876
29	3660	10500	6850	9710	2570	25000	10400	6840	10100	4040	3290	1770
30	5830	10700	4920	8870	---	13200	10700	6700	9320	5060	1860	4400
31	6030	---	6030	12100	---	6350	---	3900	---	5160	836	---
TOTAL	263390	230440	195130	280460	136640	240830	338940	217110	125106	143510	85313	60690
MEAN	8496	7681	6295	9047	4712	7769	11300	7004	4170	4629	2752	2023
MAX	15800	13500	10600	15800	11300	25000	18100	15000	10500	8600	6300	4730
MIN	1120	4500	3570	3950	1120	1750	5100	1070	893	1450	836	755

CAL YR 1979 TOTAL 2741983 MEAN 7512 MAX 39500 MIN 876
WTR YR 1980 TOTAL 2317559 MEAN 6332 MAX 25000 MIN 755

02147233 GILLS CREEK AT LANCASTER, S.C.

LOCATION.--Lat 34°43'46", long 80°46'35", Lancaster County, Hydrologic Unit 03050103, on right downstream wingwall of bridge at North Main Street and U.S. Hwy. 521, and 0.7 mile (1.1 km) north of City Hall at Lancaster.

DRAINAGE AREA.--28.2 mi^2 (45.4 km^2).

PERIOD OF RECORD.--1979 to current year (mean daily discharge, October 1978 to September 1979).

GAGE.--Water-stage recorder. Datum of gage is 433.61 ft (132.164 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except periods of missing record.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,940 ft^3/s (54.9 m^3/s), Jan. 21, 1979, gage height, 12.82 ft (3.908 m); minimum daily, 0.30 ft^3/s (0.008 m^3/s), Aug. 20, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.14 ft (3.700 m), Mar. 8; minimum gage height, 1.20 ft (0.366 m), Sept. 22-24.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.36	1.63	1.78	1.86	2.00	1.84	4.53	1.83	1.60	1.49	---	1.31
2	2.69	1.67	1.75	1.82	1.94	1.86	3.11	1.82	1.58	1.46	---	1.29
3	3.39	1.92	1.73	1.78	1.90	1.95	2.31	1.81	1.57	1.43	---	1.42
4	2.36	1.79	1.72	1.79	1.88	2.21	2.21	1.81	1.55	1.41	---	1.35
5	4.55	1.70	1.72	1.85	1.86	3.30	2.13	1.80	1.53	1.41	---	1.32
6	2.70	1.65	1.75	1.83	1.90	3.07	2.07	1.79	1.51	1.41	---	1.39
7	2.06	1.63	1.78	1.80	1.94	2.53	2.03	1.78	1.50	1.39	---	1.30
8	1.85	1.62	1.76	2.65	2.03	8.33	2.70	1.77	1.51	1.37	---	1.28
9	1.76	1.61	1.74	6.69	2.47	5.18	3.14	1.76	1.49	1.36	---	1.28
10	1.72	1.62	1.72	4.05	5.72	3.93	2.38	1.74	1.48	1.46	---	1.27
11	1.68	4.89	1.71	3.09	3.20	2.46	2.15	1.73	1.47	1.44	---	1.27
12	1.66	4.50	1.71	2.95	2.42	2.73	2.06	1.73	1.45	1.44	---	1.27
13	1.65	2.56	1.71	2.39	2.16	6.44	2.49	1.73	1.44	1.42	---	1.27
14	1.64	2.09	1.72	3.93	2.04	3.67	3.30	1.72	1.43	1.38	---	1.27
15	1.62	1.91	1.71	3.24	1.99	2.48	2.72	1.73	1.42	1.36	1.34	1.27
16	1.61	1.84	1.81	2.44	1.99	2.20	2.26	1.71	1.46	1.34	1.61	1.35
17	1.61	1.80	1.89	2.28	1.96	2.38	2.10	1.72	1.61	1.33	1.41	1.67
18	1.60	1.77	1.83	5.24	1.91	5.87	2.04	1.75	1.75	1.87	1.30	1.44
19	1.60	1.76	1.78	3.97	1.89	3.24	2.01	1.75	1.77	---	1.53	1.64
20	1.60	1.74	1.75	2.59	1.89	5.18	1.98	1.97	1.69	---	1.76	1.47
21	1.60	1.73	1.72	2.25	1.88	8.29	1.96	1.99	1.61	---	1.85	1.35
22	1.59	1.72	1.70	2.38	1.89	4.94	1.94	1.89	1.55	---	2.14	1.31
23	1.62	1.74	1.70	4.90	1.91	4.35	1.91	1.81	1.51	---	2.12	1.29
24	1.59	1.73	1.79	2.96	1.89	4.72	1.90	1.79	1.74	---	1.89	1.28
25	1.59	1.74	2.14	2.35	1.88	4.73	1.88	1.77	1.86	---	1.76	1.84
26	1.58	2.99	2.00	2.14	1.85	2.81	1.86	1.74	1.76	---	1.64	1.53
27	1.57	2.38	1.88	2.09	1.84	2.33	1.86	1.70	1.68	---	1.53	1.45
28	1.57	2.05	1.80	2.07	1.83	6.66	1.84	1.67	1.62	---	1.44	1.74
29	1.58	1.90	1.76	2.01	1.83	7.58	1.85	1.65	1.57	---	1.39	2.50
30	1.61	1.82	1.83	1.96	---	5.87	1.85	1.63	1.54	---	1.35	2.50
31	1.63	---	1.88	2.00	---	5.12	---	1.61	---	---	1.33	---
MEAN	1.98	2.05	1.78	2.75	2.13	4.14	2.29	1.76	1.58	---	---	1.46
MAX	4.55	4.89	2.14	6.69	5.72	8.33	4.53	1.99	1.86	---	---	2.50
MIN	1.57	1.61	1.70	1.78	1.83	1.84	1.84	1.61	1.42	---	---	1.27

02147240 BEAR CREEK AT LANCASTER, S.C.

LOCATION.--Lat 34°43'09", long 80°47'50", Lancaster County, Hydrologic Unit 03050103, near right downstream end of bridge on Plantation Road, 0.3 mile (0.5 km) north of intersection of Plantation Rd. and State Hwy. 9, 1.1 miles (1.8 km) west of City Hall in Lancaster.

DRAINAGE AREA.--66.6 mi^2 (172.5 km^2).

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 420.03 ft (128.025 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except period of no gage-height record July 17 to Sept. 11, which is poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,610 ft^3/s (102 m^3/s), Mar. 29, gage height, 16.80 ft (5.121 m); minimum daily, 0.80 ft^3/s (0.023 m^3/s), Sept. 16, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	6.4	14	26	87	20	205	13	4.7	4.2	2.0	2.0
2	78	8.8	13	20	71	25	131	13	4.7	3.2	5.0	1.5
3	141	27	12	18	64	32	88	11	4.6	2.9	2.0	1.5
4	56	19	13	18	63	54	81	11	4.6	2.7	1.5	1.5
5	272	12	15	23	60	157	72	11	4.2	2.9	1.5	2.0
6	112	9.1	17	24	66	149	63	11	4.0	2.7	1.5	2.0
7	35	8.0	15	19	71	87	58	9.3	4.0	2.1	1.5	2.0
8	18	7.5	15	92	86	950	103	9.1	4.1	2.3	1.0	1.5
9	12	7.5	15	578	122	545	187	8.5	4.0	2.0	1.0	1.5
10	7.7	7.1	14	267	567	199	94	7.7	3.8	5.5	1.5	1.5
11	6.9	128	13	181	176	96	66	7.2	3.6	5.4	1.5	1.0
12	6.2	290	11	184	94	102	59	7.7	3.3	2.5	1.0	1.0
13	6.4	74	12	120	68	640	93	8.5	3.0	2.4	1.0	1.0
14	6.8	13	14	217	56	248	175	7.5	2.9	2.1	1.5	1.0
15	5.5	9.5	13	196	47	109	124	7.2	2.8	2.0	1.5	.90
16	5.3	8.5	22	124	49	79	81	6.7	3.2	2.1	1.5	.80
17	5.3	8.0	37	108	47	88	63	8.0	6.8	2.0	5.0	1.3
18	5.3	7.5	23	492	37	555	56	9.1	15	2.5	4.0	1.3
19	5.5	7.5	16	410	31	162	53	8.0	6.7	3.5	3.0	2.4
20	5.5	7.0	16	151	26	369	48	34	5.5	2.5	4.0	1.8
21	6.0	7.0	14	108	30	1290	38	23	4.5	2.0	6.0	.90
22	6.3	6.5	13	113	35	427	30	19	4.2	1.5	8.0	.80
23	6.6	6.5	12	384	45	197	24	11	5.8	4.0	5.0	1.0
24	5.4	6.5	19	200	37	296	22	10	20	13	3.0	1.5
25	5.4	18	59	113	32	482	19	9.6	13	4.0	2.5	3.0
26	5.4	97	43	98	25	154	17	8.3	6.7	3.0	2.5	3.5
27	5.3	33	25	91	22	93	17	6.6	5.5	2.5	2.0	2.5
28	5.0	23	20	94	21	763	16	6.0	4.7	2.0	2.0	15
29	5.1	18	18	84	17	1990	16	5.9	4.3	2.0	2.0	60
30	5.9	16	23	76	---	506	14	5.4	4.0	1.5	1.5	90
31	5.9	---	29	82	---	374	---	4.9	---	1.5	2.5	---
TOTAL	1035.7	896.9	595	4711	2149	11238	2113	318.2	168.2	94.5	79.5	207.70
MEAN	33.4	29.9	19.2	152	74.1	363	70.4	10.3	5.61	3.05	2.56	6.92
MAX	272	290	59	578	567	1990	205	34	20	13	8.0	90
MIN	5.0	6.4	11	18	17	20	14	4.9	2.8	1.5	1.0	.80

CAL YR 1979 TOTAL 23115.10 MEAN 63.3 MAX 1600 MIN 2.1
WTR YR 1980 TOTAL 23606.70 MEAN 64.5 MAX 1990 MIN .80

02147245 CANE CREEK AT LANCASTER, S.C.

LOCATION.--Lat 34°42'42", long 80°48'36", Lancaster County, Hydrologic Unit 03050103, at bridge on Old Landsford Road, 2.4 miles (3.9 km) west of City Hall in Lancaster, 800 ft (244 m) downstream from bridge on S.C. Highway 9, and 6.7 mi (10.8 km) upstream from the mouth.

DRAINAGE AREA.--146 mi^2 (378 km^2).

PERIOD OF RECORD.--1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 413.78 ft (126.120 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except periods of missing gage height record.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.97 ft (5.477 m), Mar. 29; minimum gage height, -0.04 ft (-0.001 m), Sept. 23.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.62	.63	1.35	1.97	2.29	1.36	7.03	1.05	---	.70		---
2	3.46	.78	1.20	1.81	1.91	1.41	4.90	1.70	---	.91		---
3	4.78	2.39	1.06	1.58	1.77	1.50	3.70	1.82	---	1.38		---
4	2.63	2.34	1.03	1.31	1.75	1.57	3.25	2.09	---	1.72		---
5	6.28	1.39	1.07	1.54	1.55	1.74	2.87	1.57	---	1.28		---
6	5.09	1.09	1.13	1.61	1.64	1.76	2.55	1.52	---	.56		---
7	2.52	.99	1.19	1.47	1.90	1.79	2.36	1.35	---	.51		---
8	1.70	.90	1.16	2.20	2.17	2.83	3.31	.89	---	.28		---
9	1.36	.83	1.24	9.94	2.74	12.48	6.84	.76	---	.29		---
10	1.09	.77	1.23	7.43	9.11	6.91	4.31	.85	---	.31		---
11	.98	6.27	1.01	5.01	6.42	3.80	3.24	1.65	1.14	.63		---
12	.85	10.32	.95	5.49	3.82	3.35	2.99	1.09	.56	1.49		1.70
13	.71	6.03	1.02	3.73	2.96	10.99	3.47	.83	.50	1.18		1.69
14	.68	3.13	1.06	5.57	2.48	8.07	5.53	.68	.92	1.39		1.85
15	.67	2.32	1.01	5.92	2.24	4.33	4.76	.88	1.23	1.24		1.50
16	.73	1.90	1.29	3.71	2.18	3.47	4.19	1.37	.47	.28		1.17
17	.71	1.63	1.59	3.04	2.10	3.04	3.90	.80	1.17	---		1.35
18	.68	1.42	1.31	8.13	1.92	9.86	3.58	.75	1.62	---		1.47
19	.56	1.30	1.10	9.81	1.76	5.57	3.44	.62	1.63	---		1.69
20	.67	1.18	1.11	5.33	1.76	6.37	3.52	1.40	1.46	---		1.74
21	.58	1.06	.99	3.49	1.83	15.38	3.20	---	2.03	---		1.73
22	.61	1.00	1.01	3.19	1.81	11.79	2.05	---	2.45	---		.98
23	.64	1.10	1.01	9.61	2.00	6.79	1.70	---	1.58	---		.97
24	.57	1.16	1.27	5.99	2.34	6.62	1.61	---	1.20	---		.95
25	.78	1.09	2.26	3.74	2.20	10.72	1.49	---	1.44	---		---
26	.79	5.05	1.95	2.95	1.30	6.02	1.37	---	1.51	---		---
27	.56	4.12	1.44	2.66	1.28	4.01	1.28	---	1.17	---		---
28	1.06	2.50	1.30	2.66	1.39	8.27	1.27	---	.52	---		---
29	.87	2.03	1.16	2.35	1.40	16.87	1.11	---	.54	---		---
30	.59	1.60	1.36	2.11	---	11.96	1.03	---	.42	---		---
31	.48	---	1.91	2.13	---	10.03	---	---	---	---		---
MEAN	1.59	2.28	1.25	4.11	2.41	6.47	3.20	---	---	---		---
MAX	6.28	10.32	2.26	9.94	9.11	16.87	7.03	---	---	---		---
MIN	.48	.63	.95	1.31	1.28	1.36	1.03	---	---	---		---

CAL YR 1979 MEAN 2.29 MAX 16.21 MIN .03

02147250 CANE CREEK AT GRACE AVENUE AT LANCASTER, S.C.

LOCATION.--Lat 34°42'00", long 80°50'15", Lancaster County, Hydrologic Unit 03050103, on downstream side near center of span of bridge on county road S-50, 1.3 mi (2.1 km) southeast of State Highway 9 (Bypass), 4.1 mi (6.6 km) southwest of Lancaster, and 3.5 mi (5.6 km) above the mouth.

DRAINAGE AREA.--151 mi^2 (391 km^2).

PERIOD OF RECORD.--1979 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 410 ft (125 m) (from topographic map).

REMARKS.--Records good, except periods of missing gage-height record.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, unknown; minimum gage height, unknown.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		3.71	---		---	4.61	---	2.74	---	3.67	---	
2		3.61	---		---	4.04	---	4.60	---	4.37	---	
3		3.52	---		---	4.75	---	5.30	---	4.59	---	
4		3.35	---		---	4.42	---	4.92	---	5.00	---	
5		3.81	---		---	4.21	---	5.34	---	4.19	---	
6		---	3.75		---	4.69	---	4.88	---	4.34	---	
7		---	3.57		---	6.04	---	4.19	---	4.13	---	
8		---	3.79		---	4.71	---	3.72	---	4.26	---	
9		---	4.54		---	8.86	---	3.94	---	4.81	---	
10		---	4.24		---	8.71	---	4.79	---	5.20	---	
11		---	3.73		---	---	---	4.74	4.97	5.90	---	
12		---	3.75		---	---	---	4.11	4.31	5.95	---	
13		---	4.01		---	---	---	3.61	4.27	4.83	---	
14		---	3.81		---	---	---	---	4.45	4.48	---	
15		---	3.89		---	---	---	---	5.11	4.11	4.71	
16		---	4.02		---	---	---	---	5.47	3.50	5.05	
17		---	---		---	---	---	---	5.30	4.54	5.38	
18		---	---		---	---	---	---	4.40	4.63	5.76	
19		---	---		---	---	---	---	4.00	4.14	5.29	
20		---	---		---	---	---	---	3.38	3.12	5.35	
21		---	---		---	---	---	---	3.37	3.66	4.75	
22		---	---		---	---	---	---	3.59	4.09	4.57	
23		---	---		---	---	4.73	---	3.78	4.80	4.79	
24		---	---		---	---	4.68	---	4.15	4.44	5.56	
25		---	3.48		---	---	4.60	---	5.37	---	---	
26		---	---		2.50	---	4.50	---	5.03	---	---	
27		---	---		3.21	---	4.35	---	5.26	---	---	
28		---	---		4.23	---	4.43	---	5.07	---	---	
29		---	---		4.91	---	3.92	---	3.85	---	---	
30		---	---		---	---	2.95	---	3.22	---	---	
31		---	---		---	---	---	---	---	---	---	
MEAN		---	---		---	---	---	---	---	---	---	
MAX		---	---		---	---	---	---	---	---	---	
MIN		---	---		---	---	---	---	---	---	---	

02147500 ROCKY CREEK AT GREAT FALLS, S.C.

LOCATION.--Lat 34°33'45", long 80°55'00", Chester County, Hydrologic Unit 03050103, on left bank 350 ft (107 m) downstream from Turkey Branch, 1.0 mi (1.6 km) west of Great Falls, and at mile 1.8 (2.9 km).

DRAINAGE AREA.--194 mi^2 (502 km^2).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 299 ft (91 m) (by barometer).

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 196 ft^3/s (5.551 m^3/s), 13.72 in/yr (348 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,300 ft^3/s (886 m^3/s) Aug. 23, 1967, gage height, 18.82 ft (5.736 m); minimum, 0.04 ft^3/s (.001 m^3/s) Oct. 6-13, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft^3/s (99.1 m^3/s) and maximum (*).

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 9	0030	5,520	156	7.63	2.326
Mar. 21	0800	4,400	125	6.95	2.118
Mar. 29	0930	*8,230	233	*9.02	2.749

Minimum discharge, 8.6 ft^3/s (0.24 m^3/s) Sept. 15-17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	902	44	84	92	194	94	633	92	43	29	17	24
2	391	50	77	89	161	97	469	87	41	27	52	16
3	226	372	72	81	147	105	368	85	39	25	15	16
4	121	143	70	79	140	143	332	84	37	28	12	16
5	998	87	70	105	127	339	282	79	35	27	12	19
6	465	72	74	101	140	514	234	77	33	25	12	19
7	192	62	87	85	145	279	212	73	35	20	12	18
8	123	58	77	152	147	3210	282	72	34	19	11	16
9	94	56	69	1410	212	3000	572	73	31	22	11	14
10	79	56	66	895	1170	639	328	77	30	22	12	12
11	72	469	66	612	612	443	242	74	30	27	11	12
12	65	1380	66	793	357	399	207	70	29	26	11	11
13	59	395	66	423	260	1650	248	65	27	21	11	10
14	56	223	67	623	215	818	514	62	26	18	14	9.6
15	52	155	63	677	192	427	431	62	26	15	13	9.0
16	50	125	73	360	187	311	272	58	24	14	14	8.6
17	50	107	70	285	170	279	218	56	27	14	46	8.6
18	47	97	63	1450	145	1350	194	73	56	26	38	10
19	46	94	62	1970	138	612	180	66	65	32	20	12
20	47	84	62	587	133	1040	166	77	38	19	34	16
21	45	85	59	395	129	3720	155	199	33	16	44	19
22	45	79	59	311	138	1400	145	107	30	15	87	19
23	47	76	61	1090	140	528	133	76	29	25	61	18
24	53	74	63	597	125	769	125	72	51	133	30	15
25	46	73	119	357	114	1590	114	69	231	38	25	15
26	43	228	101	269	103	592	109	61	101	25	22	29
27	41	207	77	234	97	403	107	54	61	20	21	30
28	41	131	70	215	97	2200	101	51	46	18	19	25
29	47	107	66	189	94	6400	97	50	40	18	18	562
30	51	92	74	173	---	1380	97	46	34	16	16	888
31	50	---	97	189	---	1220	---	44	---	15	21	---
TOTAL	4644	5281	2250	14888	6029	35951	7567	2291	1362	795	742	1886.8
MEAN	150	176	72.6	480	208	1160	252	73.9	45.4	25.6	23.9	62.9
MAX	998	1380	119	1970	1170	6400	633	199	231	133	87	888
MIN	41	44	59	79	94	94	97	44	24	14	11	8.6
CFSM	.77	.91	.37	2.47	1.07	5.98	1.30	.38	.23	.13	.12	.32
IN.	.89	1.01	.43	2.85	1.16	6.89	1.45	.44	.26	.15	.14	.36

CAL YR 1979 TOTAL 74007.0 MEAN 203 MAX 3600 MIN 21 CFSM 1.05 IN 14.19
WTR YR 1980 TOTAL 83686.8 MEAN 229 MAX 6400 MIN 8.6 CFSM 1.18 IN 16.05

02148000 WATEREE RIVER NEAR CAMDEN, S.C.

LOCATION.--Lat 34°14'40", long 80°39'15", Kershaw County, Hydrologic Unit 03050104, in pier of bridge on U.S. Highway 1, 1,500 ft (457 m) downstream from Five and Twenty Creek, 4,000 ft (1,219 m) upstream from Seaboard Coast Line Railroad bridge, 2.2 mi (3.5 km) west of Camden, 7.4 mi (11.9 km) downstream from Wateree Dam, and at mile 68.8 (110.7 km).

DRAINAGE AREA.--5,070 mi^2 (13,100 km^2), approximately.

PERIOD OF RECORD.--January to December 1903 (gage heights only), October 1904 to September 1910, October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site 1.5 mi (2.4 km) downstream 1891-1934, at site 830 ft (253 m) upstream January 1935 to September 1942, and at present site since October 1942, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 802: 1930. WSP 952: Drainage area. WSP 1082: 1934(M). WSP 1433: 1905-10. WSP 1623: 1930-51(monthly and yearly runoff).

GAGE.--Water-stage recorder with remote system to district office. Datum of gage is 119.36 ft (36.381 m) National Geodetic Vertical Datum of 1929. January 1903, to September 1910, nonrecording gage at site 1.5 mi (2.4 km) downstream at datum 117.71 ft (35.878 m) NGVD. Oct. 1, 1929 to Sept. 1, 1942, recording gage at site 830 ft (253 m) upstream at datum 119.36 ft (36.381 m) NGVD.

REMARKS.--Records good. Flow regulated by powerplant at Wateree Reservoir (usable capacity, 2,794,000,000 ft^3 (79,126,000 m^3) and by other powerplants above station.

AVERAGE DISCHARGE.--57 years (1904-10, 1929 to current year), 6,444 ft^3/s (182.5 m^3/s), 17.26 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 366,000 ft^3/s (10,400 m^3/s) Aug. 26, 1908 gage height, 39.7 ft (12.1 m), site and datum then in use, from records of National Weather Service, from rating curve extended above 122,000 ft^3/s (3,460 m^3/s) on basis of computation, by Duke Power Co., of peak flow 382,000 ft^3/s (10,800 m^3/s) over dam at Rocky Creek Reservoir; minimum daily, 143 ft^3/s (4.05 m^3/s) Sept. 28, 1980.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--The flood of July 18, 1916 reached a stage of 40.4 ft (12.3 m), datum, 117.71 ft (35.878 m) above mean sea level, at site 1.5 mi (2.4 km) downstream, from records of National Weather Service, discharge, 400,000 ft^3/s (11,300 m^3/s) from rating curve extended above 122,000 ft^3/s (3,460 m3/s) as explained above.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,200 ft^3/s (1,140 m^3/s) Mar. 30, gage height, 25.80 ft (7.864 m); minimum daily, 143 ft^3/s (4.05 m^3/s) Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15200	5640	11800	6820	11100	8170	22000	12400	2720	6730	5620	1540
2	15900	8210	7080	9470	9180	7690	18700	7060	4680	7640	1750	4620
3	16200	10100	11500	10000	4720	5800	17600	7690	7620	8250	1920	1330
4	13800	7470	11100	8780	8110	5820	17000	4060	7860	2890	5160	441
5	14200	8270	5060	9540	9950	7910	16900	6980	5240	3650	6510	3490
6	14100	12300	5770	6120	8350	5030	16700	6490	4240	5330	6320	1650
7	14800	8810	7800	6930	8140	7710	14900	4890	2440	7450	6560	309
8	15900	8720	8020	10900	7880	9040	13600	6280	1610	10300	4200	1480
9	14900	7620	4790	9830	9280	16200	13600	6900	2420	8650	1880	3460
10	13200	9680	7060	10900	7480	16500	14800	3750	4370	7550	1900	1520
11	12900	9500	9040	12200	7630	16500	14100	1750	2140	8680	4200	376
12	12900	13000	6970	13500	12700	15600	13400	6460	1730	6730	5210	1740
13	12800	14000	1900	13400	12800	17800	13600	5920	2100	2880	3790	992
14	10300	13500	4300	13100	13200	17700	14400	8300	1730	4840	2240	434
15	10800	13300	4100	14000	8980	12900	16800	5270	1890	5710	3050	2600
16	8350	12800	1740	13800	7550	5750	16900	3500	5890	7210	1750	817
17	7270	12800	7230	12900	5100	8090	16700	3410	2160	7170	1960	593
18	10000	9500	7760	13300	3970	12800	16600	4520	3770	5850	2720	292
19	10300	8980	5430	16200	5210	16300	16500	11000	3330	6090	2080	740
20	6400	14200	6400	16800	3210	15900	13000	15200	5490	2940	4930	369
21	2210	13200	8190	16700	3870	18200	10200	12400	2910	4960	4020	1490
22	6360	10800	8810	16600	5190	18200	13500	12400	1790	4010	1720	2780
23	8350	11100	3830	16900	3650	18500	13500	12500	7960	2600	1130	5150
24	4830	7890	4910	16800	1750	17600	12600	13600	9770	2700	601	4100
25	5150	5610	6320	16900	5620	17700	12700	13200	7880	2080	1840	5070
26	7190	7650	7570	16500	9000	18100	12900	12600	7460	2000	2700	2740
27	4500	11300	8330	12500	7600	17300	12900	12500	9300	1620	1890	271
28	765	12600	7910	13000	3000	17700	13100	12000	12400	5130	2020	143
29	4190	11800	7870	13100	3900	27300	12900	7690	8250	5060	3230	7190
30	7360	13300	7000	12100	---	38100	12600	7880	11700	5880	1480	8560
31	6170	---	7940	14500	---	30100	---	6850	---	6940	889	---
TOTAL	307295	313650	213530	394090	208120	468010	444700	255450	152750	169520	95270	71487
MEAN	9913	10460	6888	12710	7177	15100	14820	8240	5092	5468	3073	2383
MAX	16200	14200	11800	16900	13200	38100	22000	15200	12400	10300	6560	8560
MIN	765	5610	1740	6120	1750	5030	10200	1750	1610	1620	601	143

CAL YR 1979 TOTAL 3573442 MEAN 9790 MAX 56900 MIN 239
WTR YR 1980 TOTAL 3093872 MEAN 8453 MAX 38100 MIN 143

02148300 COLONELS CREEK NEAR LEESBURG, S.C.

LOCATION.--Lat 34°00'25", long 80°43'58", Richland County, Hydrologic Unit 03050104, at bridge on State Highway 262, 0.2 mi (0.3 km) above Jumping Run Creek, 1.9 mi (3.1 km) southwest of Leesburg, and at mile 8.0 (12.9 km).

DRAINAGE AREA.--38.1 mi^2 (98.7 km^2).

PERIOD OF RECORD.--September 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 157.97 ft (48.149 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 47.1 ft^3/s (1.334 m^3/s), 16.79 in/yr (426 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 494 ft^3/s (14.0 m^3/s) June 10, 1973, gage height 5.28 ft (1.609 m); minimum, 11 ft^3/s (0.31 m^3/s) July 12-14, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 200 ft^3/s (5.66 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 3	1000	*257	7.28	*4.46	1.359

Minimum discharge, 17 ft^3/s (0.48 m^3/s) Aug. 7, gage height, 1.55 ft (0.472 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	51	40	51	80	29	124	54	28	24	19	20
2	86	58	40	51	70	35	105	50	28	23	23	20
3	79	218	40	49	65	42	96	47	26	23	21	19
4	72	128	38	48	60	49	97	46	26	23	19	19
5	84	94	38	48	55	64	89	45	24	28	18	20
6	84	73	38	50	55	79	79	47	24	25	18	22
7	68	58	44	55	60	66	75	42	24	23	18	24
8	53	53	55	60	55	72	75	39	24	22	21	22
9	44	48	42	65	50	94	97	43	24	21	20	21
10	40	70	42	65	50	83	94	41	24	21	19	22
11	39	200	42	75	80	70	87	38	24	25	19	25
12	38	180	42	70	70	66	78	37	23	23	18	25
13	37	140	42	65	60	142	84	35	23	22	31	24
14	36	100	46	67	60	137	114	35	23	22	32	22
15	36	80	44	67	55	111	121	35	23	20	26	20
16	36	60	48	68	50	87	110	34	22	20	24	19
17	36	50	49	73	60	75	92	34	24	19	33	19
18	36	48	45	86	55	117	80	40	30	20	47	20
19	36	46	42	92	50	120	74	38	34	22	47	20
20	36	44	40	80	50	107	74	64	31	22	37	21
21	36	44	39	69	50	110	70	104	28	21	29	22
22	36	44	39	60	52	101	66	87	27	20	27	21
23	36	42	39	77	59	87	62	67	26	19	36	20
24	37	42	40	78	55	82	58	51	27	21	31	19
25	37	42	50	69	51	97	54	44	38	20	27	20
26	36	65	51	64	31	90	51	38	57	20	24	22
27	36	55	46	70	28	79	51	35	43	19	22	21
28	36	46	43	75	28	96	51	33	33	19	21	30
29	36	42	40	65	28	165	51	32	29	20	21	114
30	40	40	42	65	---	164	57	30	26	21	20	169
31	52	---	52	70	---	149	---	29	---	20	20	---
TOTAL	1489	2261	1338	2047	1572	2865	2416	1394	843	668	788	882
MEAN	48.0	75.4	43.2	66.0	54.2	92.4	80.5	45.0	28.1	21.5	25.4	29.4
MAX	95	218	55	92	80	165	124	104	57	28	47	169
MIN	36	40	38	48	28	29	51	29	22	19	18	19
CFSM	1.26	1.98	1.13	1.73	1.42	2.43	2.11	1.18	.74	.56	.67	.77
IN.	1.45	2.21	1.31	2.00	1.53	2.80	2.36	1.36	.82	.65	.77	.86

CAL YR 1979 TOTAL 20028 MEAN 54.9 MAX 368 MIN 24 CFSM 1.44 IN 19.55
WTR YR 1980 TOTAL 18563 MEAN 50.7 MAX 218 MIN 18 CFSM 1.33 IN 18.12

02148315 WATEREE RIVER BELOW EASTOVER, S.C.

LOCATION.--Lat 33°49'42", long 80°37'14", Richland County, Hydrologic Unit 03050104, on right bank, 1.3 mi (2.1 km) upstream from Southern Railway bridge, 1.8 mi (2.9 km) northeast of Wateree, 4.5 mi (7.2 km) southeast of Eastover, and at mile 10.8 (17.4 km).

DRAINAGE AREA.--5,590 mi^2 (14,480 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1968 to current year, discharge below 10,000 ft^3/s (283 m^3/s) only.

GAGE.--Water-stage recorder. Datum of gage is 77.43 ft (23.601 m) National Geodetic Vertical Datum of 1929 (South Carolina Electric and Gas Company benchmark).

REMARKS.--Records good. Flow regulated by powerplant at Wateree Reservoir, usable capacity, 2,794,000,000 ft^3 (79,126,000 m^3), and by other powerplants above station. Discharge represents only that portion of the flow confined to the main channel. At times of high flow, bankfull capacity is exceeded in the intervening channel reach.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.71 ft (5.093 m) Dec. 14, 1969; minimum daily, 702 ft^3/s (19.9 m^3/s) Sept. 3, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.17 ft (4.624 m) Apr. 2; minimum daily, 782 ft^3/s) (22.1 m^3/s) Sept.20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9340	5880	9360	6710	9350	3410	9700	9340	6670	8120	5570	1440
2	9480	5290	9280	6410	8810	5860	9770	9220	4780	6990	5210	1150
3	9540	7050	8280	7550	8790	6380	9710	8160	3630	6510	3100	2560
4	9590	8370	8670	8130	6870	6060	9660	7470	5950	6690	1570	2830
5	9610	7720	8820	7850	7030	5590	9610	5850	6620	4660	2840	1450
6	9580	7740	6950	7910	8140	6580	9590	5400	5630	3060	5030	1350
7	9580	8870	6040	6650	7760	6030	9620	6220	4450	4170	5390	2430
8	9550	8380	7140	6120	7460	6190	9640	5270	3680	5700	5510	1570
9	9600	7680	7210	8090	7380	7890	9610	5730	2140	6320	4560	975
10	9610	7010	6000	8360	7720	9290	9580	6090	1610	6830	2680	2150
11	9570	7690	5770	8690	7480	9520	9580	5030	2580	6640	1680	2820
12	9520	8340	7390	9070	7480	9530	9580	2860	2990	6830	2470	1360
13	9470	9130	6920	9250	8890	9560	9570	3890	2080	6320	4040	967
14	9390	9390	4160	9370	9220	9560	9550	5650	1400	4190	3770	1530
15	9130	9450	3860	9400	9290	9580	9520	6460	1440	3420	2770	1150
16	8760	9470	4340	9430	8800	9550	9570	5730	1210	4770	1890	1080
17	7980	9430	3270	9470	7750	9150	9590	3940	2580	5780	2050	1950
18	7400	9430	3830	9480	6420	8830	9430	3710	3360	6090	1560	1140
19	7830	9090	6340	9460	4750	9240	9610	4160	2280	5420	2040	876
20	8190	8590	5950	9490	5100	9470	9600	7670	3010	5280	2140	782
21	6810	9330	5560	9530	4100	9570	9580	9160	3860	4060	1900	883
22	4340	9460	6800	9570	4190	9540	9410	9340	3980	3400	3090	876
23	4650	9340	7240	9550	4480	9560	9460	9330	2060	3840	2870	2930
24	6790	9260	5500	9550	4530	9580	9470	9320	4080	3120	1790	4140
25	5690	8510	3990	9580	3120	9580	9420	9320	7190	2230	1430	4000
26	4760	7000	5430	9580	3570	9570	9370	9360	6910	2070	1190	3940
27	5860	7160	6480	9550	6720	9590	9390	9300	6640	1680	1930	3540
28	5370	8740	7070	9530	6920	9600	9380	9280	7490	1460	2400	2050
29	2840	9120	7020	9480	4810	9620	9370	9110	8380	2270	1820	1220
30	2690	9240	6940	9400	---	9640	9370	8200	7850	4170	2290	3630
31	5660	---	6590	9360	---	9650	---	7420	---	4640	2560	---
TOTAL	238180	251160	198200	271570	196930	262770	286510	216990	126530	146730	89140	58769
MEAN	7683	8372	6394	8760	6791	8476	9550	7000	4218	4733	2875	1959
MAX	9610	9470	9360	9580	9350	9650	9770	9360	8380	8120	5570	4140
MIN	2690	5290	3270	6120	3120	3410	9370	2860	1210	1460	1190	782

WTR YR 1980 TOTAL 2343479 MEAN 6403 MAX 9770 MIN 782

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1971 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1970 to current year.
pH: October 1970 to current year.
WATER TEMPERATURE: October 1970 to current year.
DISSOLVED OXYGEN: October 1970 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1970.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 184 micromhos Dec. 17, 1978; minimum, 46 micromhos Apr. 9, 1973.
pH: Maximum, 7.3 units Oct. 4-7, 1978, Feb. 24, 28, Mar. 6-7, 9, Aug. 7, 1980; minimum, 5.9 units Nov. 11, 12, 1974, April 21, 22, 1975.
WATER TEMPERATURE: Maximum, 31.5°C July 19, 1977, Aug. 5, 10, 21-22, Sept. 3, 1980; minimum, 2.5°C Jan. 20, 24, 1977.
DISSOLVED OXYGEN: Maximum, 13.1 mg/l Jan. 22, 1977; minimum, 3.4 mg/l Aug. 18, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 145 micromhos Sept. 17; minimum, 54 micromhos Feb. 12.
pH: Maximum, 7.3 units Feb. 24, 28, Mar. 6, 7, 9, Aug. 7; minimum, 6.1 units Oct. 15, 26, 27, 29-31, Nov. 5, 8, 20, Dec. 3, 7, 10.
WATER TEMPERATURE: Maximum, 31.5°C Aug. 5, 10, 21-22, Sept. 3; minimum, 6.0°C Feb. 5, Mar. 4.
DISSOLVED OXYGEN: Maximum, 12.2 mg/l Mar. 4; minimum, 3.4 mg/l Aug. 18.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	122	118	120	78	76	77	89	86	88	87	84	86
2	121	118	119	79	75	77	89	82	87	86	83	85
3	118	116	117	76	71	73	82	77	80	89	82	87
4	116	113	114	72	58	67	92	80	87	89	86	87
5	112	106	109	65	60	64	92	90	91	88	84	86
6	106	105	106	73	62	67	89	88	89	90	86	89
7	106	104	105	75	73	75	94	88	91	90	85	87
8	104	100	102	74	72	72	95	92	94	89	83	85
9	101	95	98	78	73	76	94	90	93	89	86	88
10	95	90	92	84	78	81	92	89	91	86	79	83
11	90	90	90	90	83	86	94	87	90	81	76	78
12	90	89	90	90	87	89	96	94	95	78	75	77
13	89	88	89	90	86	87	96	86	93	76	75	76
14	88	87	87	92	86	90	87	86	86	76	74	75
15	87	85	86	93	92	92	87	78	84	77	75	76
16	87	86	87	96	93	95	88	81	85	82	76	79
17	88	86	87	97	95	96	87	83	84	83	80	82
18	88	86	87	98	96	97	85	76	82	81	80	81
19	86	85	86	98	88	95	87	76	85	82	80	81
20	86	84	85	99	84	91	87	83	85	81	79	80
21	85	83	84	99	96	97	88	84	86	81	81	81
22	85	83	84	96	92	94	89	85	87	81	79	80
23	89	79	84	92	90	90	88	85	87	79	76	78
24	81	79	80	91	89	90	86	84	86	76	74	75
25	79	78	79	88	85	86	84	81	83	74	73	74
26	81	77	79	87	85	86	86	77	83	74	73	73
27	80	76	78	87	83	85	84	80	83	73	71	72
28	79	77	78	88	87	87	85	81	84	71	69	69
29	81	77	79	88	86	87	86	84	85	72	70	71
30	90	80	83	87	84	85	87	84	86	73	71	72
31	80	75	77	---	---	---	87	85	86	74	70	72

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	74	71	73	97	94	96	80	78	79	96	92	93
2	72	69	71	102	87	97	80	78	79	92	90	92
3	72	70	71	102	98	101	79	78	78	91	89	90
4	72	69	71	103	98	101	83	77	78	92	91	91
5	74	68	70	101	97	99	78	73	76	---	---	---
6	75	74	75	103	97	101	80	73	76	---	---	---
7	76	72	74	102	98	100	80	74	75	---	---	---
8	76	72	75	104	90	96	75	71	73	---	---	---
9	76	74	75	104	94	102	76	71	72	---	---	---
10	78	74	77	109	104	107	77	73	75	---	---	---
11	76	67	74	115	108	110	83	76	78	---	---	---
12	72	54	64	119	115	118	88	81	85	---	---	---
13	78	74	76	118	114	116	94	87	91	---	---	---
14	80	77	79	118	106	112	105	92	96	---	---	---
15	82	78	80	107	105	106	97	93	95	---	---	---
16	78	73	76	105	96	102	100	94	99	---	---	---
17	78	73	75	96	88	94	101	100	100	---	---	---
18	78	75	77	105	83	96	105	100	102	---	---	---
19	82	72	76	106	91	103	101	100	101	---	---	---
20	83	73	80	103	100	102	100	99	100	---	---	---
21	84	79	82	101	98	99	101	95	97	---	---	---
22	82	76	79	100	92	96	103	94	95	98	96	97
23	83	78	80	93	91	93	107	98	102	101	96	98
24	82	75	80	95	93	94	105	101	103	108	101	105
25	81	74	78	97	94	96	104	96	99	119	108	113
26	78	65	75	98	96	97	97	96	96	119	114	117
27	86	70	82	98	97	97	96	95	96	116	113	115
28	101	85	94	96	93	95	95	94	95	117	115	116
29	101	97	99	94	89	92	96	94	95	115	110	113
30	---	---	---	88	79	82	96	93	95	110	106	108
31	---	---	---	82	78	80	---	---	---	111	109	110

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	109	107	108	---	---	---	119	115	117	---	---	---
2	109	105	107	110	106	108	119	112	116	---	---	---
3	111	105	107	115	110	113	119	115	118	127	120	123
4	109	103	105	119	116	118	115	111	114	124	121	123
5	106	103	105	119	116	117	123	113	118	131	119	122
6	106	103	105	116	110	114	119	113	117	130	118	122
7	106	102	104	122	109	116	118	112	115	144	123	129
8	110	105	107	---	---	---	119	113	116	124	122	123
9	107	104	106	---	---	---	118	111	115	128	121	126
10	110	104	108	---	---	---	117	107	114	134	121	126
11	110	102	106	125	123	124	113	107	110	126	123	125
12	106	102	104	125	122	124	118	110	114	123	119	120
13	104	102	103	124	120	122	116	108	112	119	118	118
14	106	103	104	120	116	118	117	97	113	139	120	131
15	111	103	107	119	108	116	117	102	112	134	120	123
16	107	101	104	121	118	120	113	105	109	136	118	122
17	115	101	106	127	118	121	120	109	114	145	124	132
18	106	99	102	121	117	119	110	104	106	124	120	122
19	100	96	97	121	118	120	119	96	108	120	119	120
20	102	98	100	125	118	121	108	98	105	125	119	121
21	103	98	100	120	115	118	112	108	109	---	---	---
22	105	101	103	121	116	118	116	110	113	---	---	---
23	102	100	101	123	116	119	116	115	116	---	---	---
24	110	100	105	120	114	118	---	---	---	---	---	---
25	107	103	100	119	117	118	---	---	---	---	---	---
26	103	99	102	122	118	120	---	---	---	135	129	131
27	100	99	100	120	115	117	---	---	---	133	132	133
28	---	---	---	121	113	117	119	117	117	132	125	131
29	---	---	---	125	115	120	117	117	117	124	108	116
30	---	---	---	121	115	118	---	---	---	116	99	108
31	---	---	---	119	116	118	---	---	---	---	---	---
YEAR	145	54	96									

SANTEE RIVER BASIN

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.7	6.3		6.7	6.2		6.6	6.4		6.7	6.6	
2	6.7	6.5		6.7	6.3		6.6	6.3		6.8	6.6	
3	6.7	6.4		6.7	6.3		6.3	6.1		6.9	6.6	
4	6.7	6.4		6.5	6.2		6.6	6.2		6.7	6.6	
5	6.5	6.2		6.5	6.1		6.8	6.4		6.7	6.7	
6	6.6	6.2		6.5	6.2		6.4	6.4		6.8	6.6	
7	6.6	6.3		6.7	6.3		6.6	6.1		6.8	6.6	
8	6.6	6.2		6.5	6.1		6.7	6.3		6.8	6.6	
9	6.7	6.3		6.7	6.3		6.6	6.4		6.8	6.7	
10	6.5	6.2		6.9	6.5		6.6	6.1		6.8	6.7	
11	6.4	6.2		6.7	6.5		6.6	6.2		6.9	6.7	
12	6.6	6.3		6.6	6.4		6.8	6.5		6.9	6.7	
13	6.8	6.4		6.6	6.4		6.9	6.5		6.8	6.7	
14	6.5	6.2		6.6	6.3		6.7	6.5		6.8	6.7	
15	6.5	6.1		6.6	6.3		6.6	6.4		6.8	6.7	
16	6.6	6.3		6.7	6.3		6.7	6.6		7.0	6.7	
17	6.7	6.2		6.7	6.3		6.7	6.4		6.8	6.7	
18	6.7	6.4		6.8	6.2		6.6	6.4		6.8	6.7	
19	6.8	6.4		6.7	6.2		7.0	6.5		7.0	6.7	
20	6.9	6.5		6.6	6.1		6.9	6.6		6.9	6.6	
21	6.7	6.4		6.8	6.4		6.7	6.6		6.8	6.7	
22	6.7	6.3		6.7	6.4		6.8	6.7		6.8	6.7	
23	6.5	6.3		6.7	6.4		6.8	6.7		6.8	6.6	
24	6.6	6.2		6.8	6.4		6.8	6.6		6.7	6.5	
25	6.5	6.2		6.5	6.3		6.6	6.4		6.7	6.6	
26	6.4	6.1		6.6	6.3		6.8	6.4		6.7	6.6	
27	6.5	6.1		6.6	6.2		6.9	6.6		6.6	6.6	
28	6.6	6.2		6.7	6.4		6.9	6.6		6.6	6.5	
29	6.5	6.1		6.5	6.4		6.8	6.6		6.8	6.6	
30	6.4	6.1		6.5	6.3		6.7	6.6		6.7	6.6	
31	6.7	6.1		---	---		6.7	6.6		6.7	6.5	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.7	6.5		6.9	6.6		6.6	6.3		6.9	6.6	
2	6.7	6.3		6.7	6.5		6.7	6.4		7.0	6.6	
3	6.6	6.4		6.9	6.3		6.6	6.4		6.8	6.5	
4	6.5	6.3		7.1	6.8		6.8	6.4		6.6	6.4	
5	6.8	6.3		7.0	6.9		6.7	6.4		---	---	
6	6.8	6.7		7.3	6.9		6.7	6.4		---	---	
7	6.8	6.6		7.3	7.0		6.7	6.5		---	---	
8	6.8	6.6		7.1	6.9		6.7	6.5		---	---	
9	6.8	6.7		7.3	7.0		6.8	6.5		---	---	
10	6.8	6.6		7.1	6.9		6.8	6.4		---	---	
11	6.8	6.5		7.2	6.9		6.9	6.4		---	---	
12	6.8	6.4		7.0	6.9		6.7	6.5		---	---	
13	6.9	6.7		7.0	6.9		6.8	6.5		---	---	
14	7.1	6.7		7.1	6.8		6.7	6.5		---	---	
15	7.1	6.7		7.0	6.7		6.6	6.4		---	---	
16	6.9	6.6		7.0	6.7		6.8	6.5		---	---	
17	6.7	6.5		6.9	6.6		6.8	6.5		---	---	
18	6.8	6.5		6.9	6.6		6.9	6.5		---	---	
19	6.7	6.4		6.9	6.6		6.8	6.5		---	---	
20	6.8	6.5		6.7	6.7		6.9	6.5		---	---	
21	7.1	6.6		6.8	6.6		6.8	6.5		6.8	6.7	
22	7.0	6.7		6.8	6.5		6.8	6.4		6.8	6.6	
23	7.2	6.7		6.7	6.4		7.1	6.6		6.8	6.7	
24	7.3	6.8		6.6	6.5		7.1	6.7		6.8	6.7	
25	7.0	6.5		6.8	6.5		7.1	6.7		6.8	6.6	
26	6.6	6.4		6.6	6.5		6.9	6.7		6.8	6.6	
27	7.0	6.6		6.8	6.5		7.0	6.7		6.8	6.5	
28	7.3	6.9		6.6	6.5		6.9	6.7		6.8	6.5	
29	7.1	6.6		6.6	6.5		6.9	6.6		6.8	6.5	
30	---	---		6.7	6.4		7.0	6.7		6.6	6.4	
31	---	---		6.6	6.3		---	---		6.7	6.4	

02148315 WATEREE RIVER BELOW EASTOVER, S.C.—Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.7	6.4		---	---		7.1	6.6		---	---	
2	6.7	6.4		7.0	6.8		7.1	6.7		---	---	
3	6.7	6.4		7.0	6.7		7.1	6.7		6.8	6.8	
4	6.8	6.4		7.0	6.7		7.0	6.7		6.9	6.8	
5	6.8	6.5		7.1	6.7		7.0	6.7		6.9	6.7	
6	6.8	6.6		6.9	6.6		7.1	6.7		6.7	6.7	
7	6.7	6.5		6.9	6.6		7.3	6.7		6.8	6.7	
8	6.8	6.6		---	---		7.2	6.7		6.9	6.8	
9	6.7	6.5		---	---		7.2	6.8		6.8	6.7	
10	6.7	6.4		---	---		7.2	6.7		6.8	6.7	
11	6.8	6.5		7.1	6.9		7.2	6.7		6.9	6.8	
12	6.8	6.6		7.2	6.8		7.0	6.7		6.9	6.8	
13	6.8	6.5		7.2	6.8		7.0	6.7		6.8	6.7	
14	6.8	6.5		7.0	6.6		7.0	6.6		6.8	6.8	
15	7.0	6.6		7.0	6.6		7.1	6.7		6.8	6.7	
16	7.0	6.6		7.1	6.6		7.2	6.6		6.8	6.7	
17	6.7	6.6		7.2	6.7		6.7	6.6		6.9	6.7	
18	6.8	6.7		7.2	6.7		6.8	6.5		6.9	6.7	
19	6.8	6.6		7.1	6.7		6.7	6.5		6.8	6.7	
20	6.9	6.6		7.0	6.7		6.8	6.7		6.7	6.7	
21	6.9	6.6		7.0	6.7		6.8	6.7		---	---	
22	6.9	6.6		6.9	6.7		6.8	6.7		---	---	
23	6.8	6.6		7.0	6.7		6.8	6.8		---	---	
24	6.6	6.5		6.9	6.7		---	---		---	---	
25	6.8	6.6		6.9	6.6		---	---		---	---	
26	6.8	6.6		7.0	6.6		---	---		6.9	6.8	
27	6.7	6.6		7.0	6.6		---	---		6.9	6.8	
28	---	---		6.9	6.6		6.9	6.8		6.9	6.9	
29	---	---		6.8	6.6		6.9	6.9		6.9	6.8	
30	---	---		7.0	6.6		---	---		6.8	6.6	
31	---	---		7.0	6.6		---	---		---	---	
YEAR	7.3	6.1										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1 *	24.0	23.5	24.0	19.0	19.0	19.0	14.0	13.5	13.5	10.0	10.0	10.0
2	24.0	23.5	24.0	19.5	19.0	19.0	14.0	12.5	13.0	10.0	9.5	10.0
3	24.0	23.5	23.5	19.5	19.0	19.5	12.5	11.5	12.0	10.0	9.5	9.5
4	23.5	23.0	23.0	19.5	18.0	18.5	12.5	11.5	12.0	10.0	9.0	9.5
5	23.5	23.0	23.0	18.0	17.0	17.5	12.5	11.5	12.0	9.5	9.0	9.0
6	23.0	22.5	22.5	17.5	16.5	17.0	11.5	11.5	11.5	9.0	9.0	9.0
7	22.5	22.0	22.5	18.0	17.5	17.5	12.5	11.5	12.0	9.0	8.5	8.5
8	22.5	21.5	22.0	17.5	17.0	17.0	12.0	12.0	12.0	9.0	8.5	8.5
9	22.5	21.5	22.0	17.0	17.0	17.0	12.0	11.5	11.5	9.5	9.0	9.0
10	22.0	21.0	21.5	18.0	17.0	17.5	11.5	11.0	11.0	9.5	9.0	9.0
11	21.0	20.5	20.5	18.5	18.0	18.0	11.0	10.5	11.0	9.0	9.0	9.0
12	20.5	20.0	20.5	18.0	17.0	17.5	11.5	11.0	11.0	9.5	9.0	9.0
13	20.5	20.0	20.5	17.5	17.0	17.0	12.0	11.5	12.0	9.0	9.0	9.0
14	20.5	19.5	20.0	17.0	16.5	16.5	13.0	12.0	12.5	8.5	8.5	8.5
15	19.5	19.0	19.0	16.5	15.5	16.0	13.0	12.0	12.5	8.5	8.5	8.5
16	19.5	19.0	19.0	15.5	15.0	15.5	12.0	11.5	11.5	9.0	8.5	9.0
17	19.5	19.0	19.5	15.5	15.0	15.5	11.5	10.5	11.0	10.0	9.0	9.0
18	20.0	19.5	20.0	15.5	15.0	15.5	11.0	10.0	10.5	9.0	9.0	9.0
19	20.5	19.5	20.0	15.5	14.5	15.0	10.0	9.5	10.0	9.5	9.0	9.0
20	20.5	20.0	20.5	15.5	14.5	14.5	10.0	9.5	10.0	9.5	9.0	9.0
21	20.5	20.0	20.5	15.5	15.0	15.0	10.5	9.5	10.0	9.5	9.0	9.0
22	21.0	20.5	20.5	15.5	15.0	15.0	10.5	10.0	10.0	9.5	9.0	9.5
23	21.0	20.0	21.0	15.5	15.0	15.0	10.5	10.5	10.5	9.5	9.5	9.5
24	20.0	19.5	19.5	15.5	15.0	15.5	11.5	10.5	11.0	9.5	9.0	9.0
25	19.5	18.5	19.0	15.5	15.5	15.5	12.0	11.5	11.5	9.5	9.0	9.0
26	18.5	18.0	18.5	16.0	15.5	16.0	11.5	10.5	11.0	9.5	9.0	9.5
27	18.5	18.0	18.5	16.0	15.0	15.5	10.5	10.0	10.5	9.5	9.5	9.5
28	18.5	18.5	18.5	15.5	14.5	15.0	10.5	10.0	10.5	9.5	9.0	9.0
29	18.5	18.0	18.0	15.5	14.5	15.0	10.5	10.0	10.0	9.5	9.0	9.0
30	19.0	18.5	19.0	14.5	14.0	14.0	10.0	9.5	10.0	9.5	9.0	9.0
31	19.5	18.5	19.0	---	---	---	10.0	9.5	10.0	9.0	9.0	9.0

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.0	8.0	8.5	10.0	9.5	9.5	15.5	14.0	14.5	19.5	19.0	19.5
2	8.0	7.5	7.5	9.0	6.5	7.5	15.5	14.5	15.0	20.0	19.5	19.5
3	7.5	7.0	7.0	7.0	6.5	6.5	15.5	15.0	15.0	20.0	19.5	19.5
4	7.0	6.5	7.0	7.5	6.0	7.0	15.0	14.5	15.0	20.0	19.5	20.0
5	7.0	6.0	6.5	8.5	7.0	7.5	15.0	14.5	15.0	---	---	---
6	7.0	6.5	7.0	8.5	7.5	8.5	15.5	14.5	15.0	---	---	---
7	7.0	6.5	7.0	10.0	8.5	9.0	15.5	15.0	15.0	---	---	---
8	7.0	6.5	7.0	11.0	9.5	10.0	15.5	15.0	15.5	---	---	---
9	7.0	6.5	7.0	10.5	9.5	10.0	16.5	15.5	16.0	---	---	---
10	7.0	6.5	7.0	10.0	9.5	9.5	16.5	16.0	16.0	---	---	---
11	7.0	6.5	7.0	10.5	10.0	10.0	17.0	16.0	16.5	---	---	---
12	7.0	6.5	6.5	10.5	10.0	10.0	17.5	17.0	17.0	---	---	---
13	7.0	6.5	7.0	10.0	9.5	10.0	17.5	17.0	17.0	---	---	---
14	7.0	6.5	7.0	10.0	9.5	9.5	17.5	17.0	17.0	---	---	---
15	7.0	6.5	7.0	10.5	9.5	10.0	17.5	16.5	17.0	---	---	---
16	7.5	7.0	7.5	11.0	10.0	10.5	17.0	16.5	16.5	---	---	---
17	8.0	7.5	8.0	12.5	11.0	11.5	17.0	16.5	17.0	---	---	---
18	7.5	7.0	7.5	13.0	12.5	12.5	17.0	16.5	17.0	---	---	---
19	8.0	7.0	7.5	12.5	12.0	12.0	17.0	16.5	17.0	---	---	---
20	8.0	7.5	8.0	12.5	12.0	12.5	17.5	17.0	17.0	---	---	---
21	9.5	7.5	8.5	13.0	12.5	12.5	17.5	16.5	17.0	22.5	22.0	22.0
22	10.0	9.5	10.0	13.0	12.5	12.5	18.0	17.5	17.5	23.0	22.0	22.5
23	11.0	10.0	10.5	13.0	12.5	13.0	18.5	17.5	18.0	23.0	22.5	23.0
24	11.0	10.0	10.5	13.0	13.0	13.0	19.0	18.5	18.5	23.0	22.5	23.0
25	12.0	11.0	11.5	13.5	12.5	13.0	19.5	19.0	19.0	23.5	23.0	23.0
26	12.0	11.0	11.5	13.5	13.0	13.5	19.5	19.0	19.5	24.0	23.0	23.5
27	10.5	9.0	9.5	14.0	13.5	13.5	19.5	19.0	19.5	24.0	23.5	23.5
28	9.5	9.0	9.0	14.0	13.5	13.5	19.5	19.0	19.0	24.0	23.5	23.5
29	10.0	9.0	9.5	13.5	13.0	13.5	19.5	18.5	19.0	24.0	23.5	24.0
30	---	---	---	13.5	13.5	13.5	19.5	19.0	19.5	24.5	23.5	24.0
31	---	---	---	15.0	13.5	14.0	---	---	---	24.5	24.0	24.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.5	24.0	24.5	---	---	---	31.0	30.0	30.5	---	---	---
2	25.5	24.0	24.5	28.5	27.5	28.0	31.0	30.0	30.5	---	---	---
3	26.0	24.5	25.5	28.5	28.0	28.0	31.0	30.5	30.5	31.5	30.0	31.0
4	26.0	25.5	25.5	28.0	27.5	27.5	31.0	30.5	31.0	30.5	29.5	30.0
5	26.0	25.5	25.5	28.5	27.5	28.0	31.5	30.0	31.0	---	---	---
6	26.0	25.5	26.0	30.0	28.5	29.0	31.0	30.5	30.5	---	---	---
7	26.5	26.0	26.0	29.5	29.0	29.5	31.0	30.5	31.0	---	---	---
8	26.5	26.0	26.0	---	---	---	31.0	30.5	30.5	---	---	---
9	26.5	25.5	26.0	---	---	---	30.5	30.0	30.5	---	---	---
10	26.0	25.0	25.5	---	---	---	31.5	30.0	30.5	28.5	27.0	28.0
11	26.5	25.0	26.0	29.0	29.0	29.0	31.0	30.5	31.0	28.5	27.5	28.0
12	26.5	25.5	26.0	30.0	29.0	29.0	31.0	30.5	30.5	28.5	27.0	28.0
13	26.5	25.5	26.0	30.5	29.5	30.0	30.5	30.0	30.5	29.5	26.5	28.0
14	26.5	25.5	26.0	31.0	30.0	30.5	31.0	30.0	30.5	29.5	27.5	28.5
15	26.5	25.5	26.0	31.0	30.0	30.5	31.0	30.5	30.5	29.5	28.0	28.5
16	27.5	26.5	27.0	30.5	29.5	30.0	31.0	30.5	31.0	29.0	27.5	28.5
17	28.0	26.5	27.0	30.0	29.5	29.5	31.0	29.5	30.0	29.0	28.0	28.5
18	26.5	25.5	26.0	30.0	29.0	29.5	29.0	28.5	29.0	29.0	27.5	28.5
19	25.5	25.0	25.0	30.0	29.5	30.0	29.5	28.5	29.0	28.5	27.5	28.0
20	26.0	24.0	25.0	30.5	29.5	30.0	30.5	28.5	29.5	27.5	27.0	27.5
21	27.0	26.0	26.0	31.0	30.0	30.5	31.5	30.0	30.5	---	---	---
22	26.5	26.0	26.5	31.0	30.0	30.5	31.5	30.0	30.5	---	---	---
23	27.0	26.0	26.5	30.5	30.0	30.5	30.0	29.5	30.0	---	---	---
24	26.5	26.0	26.0	30.5	29.5	30.0	---	---	---	---	---	---
25	26.0	25.0	25.5	30.0	29.0	29.5	---	---	---	---	---	---
26	25.5	25.0	25.5	30.0	29.0	29.5	---	---	---	28.5	27.5	28.0
27	25.5	25.0	25.0	30.5	29.5	30.0	---	---	---	27.5	26.0	26.5
28	---	---	---	30.0	29.5	30.0	30.0	29.5	29.5	26.0	23.0	24.5
29	---	---	---	30.0	29.5	29.5	29.0	29.0	29.0	22.5	21.0	22.0
30	---	---	---	30.5	29.5	30.0	---	---	---	23.5	20.0	21.0
31	---	---	---	31.0	30.0	30.5	---	---	---	---	---	---
YEAR	31.5	6.0	18.0									

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980—Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.4	6.0	6.2	8.2	7.9	8.1	8.8	8.5	8.7	10.1	10.0	10.0
2	6.6	6.3	6.5	8.0	7.7	7.9	8.8	8.4	8.6	10.2	9.8	10.1
3	6.8	6.4	6.6	8.1	7.8	8.0	9.1	8.5	8.7	10.4	9.9	10.2
4	6.7	6.4	6.5	8.0	7.4	7.7	9.5	9.1	9.3	10.4	10.2	10.3
5	6.6	6.2	6.4	8.0	7.6	7.9	9.3	8.8	9.1	10.5	10.1	10.3
6	6.8	6.5	6.6	8.6	7.9	8.3	8.9	8.7	8.8	10.7	9.9	10.4
7	6.9	6.7	6.8	8.6	8.1	8.4	9.6	8.5	9.0	10.7	10.0	10.3
8	6.8	6.4	6.6	8.4	8.1	8.3	9.5	8.8	9.2	10.4	9.9	10.1
9	6.7	6.5	6.6	8.6	8.3	8.4	9.9	9.1	9.5	10.4	10.2	10.3
10	6.7	6.5	6.6	8.4	7.9	8.2	9.9	9.1	9.6	10.5	10.1	10.4
11	6.8	6.5	6.6	8.2	7.9	8.1	9.9	9.1	9.5	10.5	10.0	10.3
12	7.0	6.7	6.9	8.2	8.0	8.1	9.8	9.1	9.5	10.6	10.2	10.4
13	7.1	6.9	7.0	8.4	8.2	8.3	9.6	9.0	9.4	10.7	10.5	10.6
14	7.3	7.1	7.2	8.4	8.0	8.2	9.2	9.0	9.1	10.8	10.5	10.6
15	7.6	6.8	7.1	8.4	8.0	8.2	9.5	8.5	9.0	10.7	10.0	10.5
16	7.7	7.2	7.4	8.2	7.9	8.1	9.8	9.4	9.5	10.6	9.7	10.3
17	7.4	7.2	7.3	8.1	7.8	8.0	9.9	9.2	9.6	10.4	9.9	10.2
18	7.4	7.3	7.4	8.2	7.8	8.1	10.5	9.1	9.8	10.1	9.7	10.0
19	7.6	7.4	7.5	8.2	7.4	7.8	10.7	9.6	10.3	10.3	9.6	10.0
20	7.6	7.3	7.5	8.4	7.4	7.8	10.5	9.6	10.2	10.3	9.5	10.0
21	7.5	7.1	7.3	8.4	8.0	8.2	10.4	9.9	10.2	10.2	9.6	9.9
22	7.2	7.1	7.1	8.2	7.9	8.1	10.5	9.9	10.1	9.8	9.5	9.6
23	7.7	6.9	7.2	7.9	7.5	7.7	10.1	9.7	9.9	9.8	9.4	9.6
24	7.7	7.5	7.6	7.9	7.6	7.8	10.2	9.5	9.7	9.9	9.3	9.6
25	7.7	7.5	7.6	7.5	7.1	7.3	9.6	9.2	9.4	9.6	9.3	9.4
26	8.1	7.7	7.9	7.7	7.4	7.5	10.1	9.5	9.8	9.5	9.4	9.5
27	8.5	8.0	8.2	8.3	7.6	7.8	10.4	9.7	10.1	9.6	9.5	9.6
28	8.3	8.1	8.2	8.4	8.0	8.2	10.5	9.9	10.2	9.6	9.1	9.3
29	8.1	7.5	7.8	8.6	8.2	8.4	10.5	10.0	10.3	9.8	9.2	9.6
30	7.6	7.4	7.5	8.8	8.2	8.5	10.5	10.1	10.3	9.9	9.6	9.8
31	8.2	7.8	8.0	---	---	---	10.3	9.9	10.1	10.4	9.7	9.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.6	10.1	10.4	10.9	10.6	10.7	8.4	7.8	8.1	8.4	7.8	8.1
2	10.8	10.2	10.5	11.8	10.6	11.2	8.3	7.8	8.1	8.5	7.9	8.2
3	10.9	10.3	10.6	12.1	11.4	11.8	8.2	8.0	8.1	7.8	7.3	7.6
4	11.0	10.5	10.8	12.2	11.1	11.6	8.4	7.8	8.1	7.5	7.2	7.4
5	11.3	10.6	11.0	11.6	11.0	11.3	8.8	8.1	8.4	---	---	---
6	11.2	10.9	11.0	11.4	10.7	11.1	8.8	8.2	8.5	---	---	---
7	11.3	10.5	10.9	11.3	10.4	10.8	8.8	8.2	8.5	---	---	---
8	11.4	10.6	11.0	10.5	10.1	10.3	8.4	7.8	8.1	---	---	---
9	11.2	10.9	11.0	10.7	10.1	10.3	8.2	7.6	7.9	---	---	---
10	11.4	10.6	11.0	10.8	10.2	10.5	8.2	7.6	7.9	---	---	---
11	11.4	10.4	11.0	10.6	10.1	10.4	8.3	7.8	8.1	---	---	---
12	11.5	10.4	11.2	10.6	10.4	10.5	8.3	7.7	8.0	---	---	---
13	11.4	10.6	11.1	10.6	10.4	10.4	7.9	7.4	7.6	---	---	---
14	11.4	10.2	11.0	10.4	9.7	10.1	7.8	7.4	7.6	---	---	---
15	11.5	10.2	10.9	10.3	9.4	9.9	8.0	7.5	7.7	---	---	---
16	10.8	10.1	10.4	10.0	9.1	9.5	8.2	7.6	7.9	---	---	---
17	11.1	10.3	10.7	9.2	8.6	8.9	8.2	7.7	7.9	---	---	---
18	11.2	10.3	10.9	9.6	8.7	9.0	8.0	7.4	7.7	---	---	---
19	11.1	10.0	10.6	9.6	9.0	9.3	7.8	7.4	7.7	---	---	---
20	10.9	10.4	10.6	9.4	9.0	9.2	7.8	7.4	7.6	---	---	---
21	10.7	9.6	10.1	9.0	8.5	8.8	7.8	7.0	7.3	6.7	6.3	6.5
22	10.0	9.7	9.8	9.0	8.3	8.7	7.8	6.7	7.1	6.7	6.3	6.5
23	10.0	9.4	9.7	8.9	8.4	8.7	8.0	7.5	7.8	6.5	6.2	6.4
24	10.3	9.4	9.8	8.8	8.7	8.7	8.1	7.6	7.9	6.4	5.9	6.1
25	9.7	8.5	9.1	8.8	8.2	8.5	8.0	7.5	7.8	6.1	5.8	5.9
26	10.3	8.9	9.3	8.8	8.4	8.6	8.0	7.6	7.8	6.1	5.8	6.0
27	11.2	10.5	10.8	8.6	8.2	8.5	8.0	7.6	7.8	6.2	6.0	6.1
28	11.3	10.7	11.0	8.6	8.4	8.5	8.0	7.6	7.8	6.3	5.9	6.1
29	11.1	10.7	10.9	8.6	8.3	8.4	8.2	7.8	7.9	6.2	5.8	6.0
30	---	---	---	8.5	8.1	8.4	8.3	7.8	8.1	5.9	5.5	5.7
31	---	---	---	8.4	7.6	8.0	---	---	---	6.0	5.6	5.8

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.3	6.0	6.1	---	---	---	6.1	5.4	5.7	---	---	---
2	6.6	6.0	6.3	7.0	6.6	6.8	5.9	5.5	5.7	---	---	---
3	6.2	5.7	5.9	6.5	5.8	6.1	6.6	5.3	5.7	5.3	4.4	4.8
4	7.3	5.8	6.7	6.2	5.8	6.0	6.9	5.8	6.2	5.8	4.4	5.0
5	6.8	6.1	6.5	7.0	5.8	6.2	6.3	5.7	6.0	5.4	4.6	5.0
6	6.1	5.9	6.0	10.4	7.6	9.7	6.3	5.5	5.9	---	---	---
7	6.7	5.6	6.2	10.8	5.7	8.8	7.2	5.4	6.4	---	---	---
8	6.6	5.7	6.0	---	---	---	8.0	5.6	6.3	---	---	---
9	6.3	5.9	6.1	---	---	---	8.7	7.6	8.2	---	---	---
10	6.4	5.7	6.0	---	---	---	10.3	6.8	9.3	5.9	5.0	5.3
11	6.4	5.8	6.1	6.1	5.6	5.9	11.1	6.0	8.4	5.3	4.8	5.1
12	6.4	5.7	6.0	5.8	5.2	5.6	10.2	5.7	6.9	5.6	5.0	5.4
13	6.4	6.2	6.3	6.2	5.6	5.8	10.0	5.9	8.8	5.4	4.5	4.9
14	6.3	5.9	6.1	7.1	5.4	5.9	10.7	6.1	8.0	5.3	4.5	4.9
15	6.5	6.1	6.3	8.1	6.0	7.0	10.7	6.1	7.0	5.6	4.8	5.2
16	6.4	5.9	6.2	6.0	5.6	5.8	9.2	6.5	7.5	6.5	4.7	5.5
17	6.4	5.6	6.1	5.7	5.2	5.5	5.6	4.9	5.4	7.2	4.8	5.5
18	6.2	5.8	6.1	5.7	5.3	5.5	8.3	3.4	5.7	7.2	4.9	5.5
19	6.4	6.1	6.2	5.7	5.1	5.5	5.9	4.0	5.5	7.3	4.9	5.4
20	6.4	6.2	6.3	5.9	5.2	5.6	6.5	5.6	5.9	5.4	5.0	5.2
21	6.4	5.9	6.2	6.0	5.4	5.7	6.8	5.1	5.8	---	---	---
22	6.0	5.7	5.9	6.0	5.6	5.9	5.2	4.7	4.9	---	---	---
23	6.2	6.0	6.1	6.2	5.4	5.8	4.7	4.5	4.6	---	---	---
24	6.0	5.2	5.7	6.1	5.5	5.8	---	---	---	---	---	---
25	5.6	5.0	5.3	6.3	5.9	6.1	---	---	---	---	---	---
26	5.9	5.7	5.8	6.2	5.8	6.0	---	---	---	5.5	5.2	5.4
27	6.0	6.0	6.0	6.4	5.9	6.1	---	---	---	6.1	5.2	5.8
28	---	---	---	6.3	5.9	6.1	4.9	4.8	4.9	10.1	6.0	7.0
29	---	---	---	6.2	5.8	6.0	5.0	4.8	4.9	11.0	10.1	10.7
30	---	---	---	6.4	5.6	6.0	---	---	---	11.0	5.3	7.1
31	---	---	---	6.3	5.4	5.9	---	---	---	---	---	---
YEAR	12.2	3.4	8.0									

02154500 NORTH PACOLET RIVER AT FINGERVILLE, S.C.

LOCATION.--Lat 35°07'15", long 81°59'10", Spartanburg County, Hydrologic Unit 03050105, on right bank at McMillin Mill, about 400 ft (120 m) downstream from Obed Creek, 1.4 mi (2.3 km) south of Fingerville, and at mile 48.5 (78.0 km).

DRAINAGE AREA.--116 mi^2 (300 km^2).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 715.56 ft (218.103 m) National Geodetic Vertical Datum of 1929. From Nov. 26, 1929 to Nov. 24, 1933, recording gage at site about 400 ft (120 m) downstream at datum 5.60 ft (1.707 m) higher.

REMARKS.--Records good, except those for periods of no gage-height record, Nov. 11 to Jan. 7 and March 8 to June 24, which are poor. Some diurnal fluctuation at low and medium flow caused by mill above station.

AVERAGE DISCHARGE.--51 years, 214 ft^3/s (6.060 m^3/s), 25.05 in/yr (636 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft^3/s (354 m^3/s) Aug. 14, 1940, gage height, 27.13 ft (8.269 m) from rating curve extended above 4,300 ft^3/s (122 m^3/s) on basis of computation of peak flow over dam 2.0 mi (3.2 km) above station; minimum, 9.0 ft^3/s (0.25 m^3/s) Oct. 6, 1954; minimum daily, 28 ft^3/s (0.79 m^3/s) Oct. 6, 7, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,600 ft^3/s (45.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 3	unknown	1,700	48.1	8.14	2.481	Apr. 15	unknown	unknown		unknown	
Mar. 21	unknown	unknown		unknown		May 24	unknown	*unknown		*unknown	

Minimum discharge, 58 ft^3/s (1.64 m^3/s) Aug. 1, gage height, 3.07 ft (0.936 m); minimum daily, 95 ft^3/s (2.69 m^3/s) Sept. 16, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1250	236	249	200	205	163	280	170	240	197	133	137
2	495	492	244	200	195	172	260	170	220	185	137	116
3	384	1280	239	200	190	161	260	150	200	188	133	124
4	339	538	236	240	193	176	240	140	190	197	127	139
5	381	354	240	220	188	188	240	130	180	217	124	125
6	311	311	260	200	195	190	220	120	190	176	120	118
7	292	290	260	205	193	174	240	140	180	165	120	118
8	275	275	240	193	188	249	400	130	180	161	116	110
9	262	270	220	190	197	500	300	130	170	157	115	106
10	257	366	240	188	231	240	220	130	170	159	111	111
11	249	470	220	193	215	190	220	120	160	165	110	116
12	234	417	220	282	202	220	340	130	160	153	110	106
13	234	357	240	224	193	240	420	120	150	149	108	102
14	227	319	220	574	188	180	800	160	160	176	106	100
15	224	298	220	363	188	170	2000	150	150	149	108	99
16	224	287	200	285	190	160	400	130	140	145	105	95
17	222	275	200	306	183	1000	300	400	150	139	103	100
18	219	270	200	634	174	950	260	550	200	135	101	111
19	219	265	200	567	174	300	240	300	150	131	115	103
20	219	255	200	357	176	800	220	1100	140	129	108	107
21	217	249	200	303	174	1500	220	550	150	125	111	107
22	212	247	220	314	181	400	220	300	130	124	159	101
23	222	247	200	292	176	300	200	1100	120	155	141	96
24	219	255	260	252	172	700	200	2800	695	165	120	95
25	205	265	300	202	170	400	180	900	1100	145	115	331
26	202	401	200	229	163	300	190	400	836	161	110	248
27	200	339	190	222	163	280	200	320	345	314	105	145
28	200	287	190	219	165	1200	190	300	262	285	103	146
29	200	270	190	212	161	800	180	280	234	231	101	509
30	298	257	200	207	---	550	180	260	219	176	106	421
31	285	---	220	219	---	380	---	260	---	153	129	---
TOTAL	8977	10442	6918	8492	5383	13233	9820	12040	7571	5307	3610	4442
MEAN	290	348	223	274	186	427	327	388	252	171	116	148
MAX	1250	1280	300	634	231	1500	2000	2800	1100	314	159	509
MIN	200	236	190	188	161	160	180	120	120	124	101	95
CFSM	2.50	3.00	1.92	2.36	1.60	3.68	2.82	3.35	2.17	1.47	1.00	1.28
IN.	2.88	3.35	2.22	2.72	1.73	4.24	3.15	3.86	2.43	1.70	1.16	1.42

CAL YR 1979 TOTAL 114517 MEAN 314 MAX 2550 MIN 125 CFSM 2.71 IN 36.72
WTR YR 1980 TOTAL 96234 MEAN 263 MAX 2800 MIN 95 CFSM 2.27 IN 30.86

02154950 LAKE WILLIAM C. BOWEN NEAR FINGERVILLE, S.C.

LOCATION.--Lat 35°06'45", long 82°02'26", Spartanburg County, Hydrologic Unit 03050105, at bridge on State Highway 9, 1.7 mi (2.7 km) upstream from the dam and 2.8 mi (4.5 km) southwest of Fingerville.

DRAINAGE AREA.--79.4 mi^2 (205.6 km^2).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Spartanburg Water Works datum).

REMARKS.--Reservoir is formed by concrete dam, completed in 1960. Capacity is 7,400,000,000 gal (28.009 hm^3). Spillway crest is 815 ft (248.4 m) NGVD. Water used as inflow to South Pacolet River Reservoir, capacity, 1,104,000,000 gal (4.179 hm^3).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 817.44 ft (249.156 m) Oct. 9, 1976; minimum, 809.28 ft (246.669 m) Nov. 30, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 815.90 ft (248.686 m) June 25; minimum, 812.00 ft (247.498 m) Jan. 12.

Capacity table (elevation, in feet and meters) and usable contents
(in billions of gallons and millions of cubic meters)
(Prepared from curve by Wiedeman and Singleton Engineers of Atlanta, Ga.)

811 ft (247.19 m)	5.45 (20.628 m^3)
812 ft (247.50 m)	5.90 (22.331 m^3)
813 ft (247.80 m)	6.35 (24.035 m^3)
814 ft (248.11 m)	6.80 (25.738 m^3)
815 ft (248.41 m)	7.30 (27.630 m^3)
816 ft (248.72 m)	7.80 (29.523 m^3)

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	815.43	814.77	815.02	813.41	814.25	812.48	815.17	814.63	815.12	815.11	815.04	814.47
2	815.28	815.50	814.99	813.33	814.18	812.41	815.12	814.57	815.12	815.09	815.02	814.44
3	815.20	815.45	814.99	813.25	814.12	812.34	815.10	814.49	815.10	815.09	814.99	814.40
4	815.22	815.26	814.98	813.22	814.05	812.26	815.05	814.43	815.09	815.15	814.97	814.41
5	815.19	815.17	814.98	813.16	813.99	812.26	815.01	814.42	815.09	815.13	814.94	814.40
6	815.17	815.12	815.00	813.08	813.96	812.20	815.00	814.48	815.08	815.09	814.92	814.38
7	815.15	815.10	814.99	813.00	813.89	812.24	814.98	814.56	815.08	815.08	814.90	814.35
8	815.14	815.08	814.97	812.94	813.82	812.50	815.11	814.62	815.06	815.07	814.87	814.32
9	815.10	815.07	814.96	812.86	813.84	812.59	815.09	814.68	815.05	815.08	814.83	814.29
10	815.05	815.23	814.91	812.77	813.84	812.61	815.05	814.73	815.05	815.06	814.80	814.28
11	815.02	815.27	814.84	812.80	813.81	812.59	815.02	814.78	815.05	815.07	814.77	814.24
12	815.00	815.22	814.77	812.78	813.75	812.62	815.11	814.83	815.05	815.05	814.74	814.21
13	814.96	815.16	814.73	812.80	813.70	812.65	815.23	814.88	815.05	815.09	814.71	814.18
14	814.93	815.12	814.66	813.13	813.64	812.62	815.71	814.98	815.09	815.08	814.71	814.14
15	814.90	815.09	814.58	813.18	813.58	812.60	815.39	815.06	815.13	815.06	814.68	814.10
16	814.86	815.07	814.51	813.18	813.52	812.57	815.23	815.09	815.08	815.04	814.66	814.06
17	814.84	815.06	814.42	813.27	813.45	813.27	815.16	815.34	815.07	815.03	814.62	814.03
18	814.80	815.05	814.34	814.12	813.37	814.06	815.12	815.34	815.11	815.01	814.59	814.01
19	814.77	815.05	814.26	814.46	813.30	814.25	815.10	815.23	815.10	814.99	814.56	813.98
20	814.76	815.04	814.17	814.54	813.23	814.64	815.08	815.61	815.09	814.97	814.56	813.97
21	814.74	815.03	814.09	814.56	813.16	815.67	815.06	815.47	815.07	814.95	814.53	813.95
22	814.70	815.03	814.01	814.59	813.11	815.36	815.04	815.35	815.06	814.93	814.68	813.93
23	814.70	815.03	813.93	814.61	813.04	815.23	815.01	815.68	815.06	814.94	814.69	813.90
24	814.66	815.03	813.93	814.59	812.97	815.32	814.99	815.59	815.44	814.94	814.67	813.95
25	814.62	815.10	813.90	814.56	812.90	815.23	814.95	815.38	815.88	814.99	814.64	814.37
26	814.57	815.16	813.82	814.52	812.78	815.16	814.90	815.27	815.50	815.19	814.61	814.43
27	814.53	815.12	813.75	814.48	812.70	815.11	814.87	815.21	815.30	815.17	814.57	814.43
28	814.49	815.08	813.66	814.44	812.62	815.66	814.81	815.18	815.21	815.20	814.54	814.64
29	814.52	815.05	813.58	814.38	812.54	815.48	814.76	815.17	815.16	815.14	814.50	815.16
30	814.73	815.03	813.53	814.34	---	815.37	814.70	815.15	815.12	815.09	814.50	815.37
31	814.76	---	813.48	814.32	---	815.25	---	815.13	---	815.07	814.48	---
MAX	815.43	815.50	815.02	814.61	814.25	815.67	815.71	815.68	815.88	815.20	815.04	815.37
MIN	814.49	814.77	813.48	812.77	812.54	812.20	814.70	814.42	815.05	814.93	814.48	813.90
(+)	7.18	7.32	6.57	6.96	6.14	7.42	7.15	7.36	7.36	7.34	7.04	7.48
(*)	-25.95	7.22	-37.43	19.96	-44.28	63.88	-13.92	10.48	0.00	-1.00	-14.97	22.69

CAL YR 1979 * 1 MAX 816.41 MIN 812.78
WTR YR 1980 * -1 MAX 815.88 MIN 812.20

(+) CONTENTS, IN BILLIONS OF GALLONS, AT END OF MONTH.
(*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02155500 PACOLET RIVER NEAR FINGERVILLE, S.C.

LOCATION.--Lat 35°06'35", long 81°57'35", Spartanburg County, Hydrologic Unit 03050105, on right bank 100 ft (30 m) upstream from highway bridge, 0.2 mi (0.3 km) downstream from confluence of North Pacolet and South Pacolet Rivers, 2.8 mi (4.5 km) southeast of Fingerville, and at mile 46.5 (74.8 km).

DRAINAGE AREA.--212 mi^2 (549 km^2).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1303: 1930-39 (monthly and yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 706.33 ft (215.289 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for periods of no gage-height record, Oct. 21 to Jan. 8, Jan. 24 to Feb. 29, and April 28 to August 1, which are poor. Some regulation by South Pacolet River Reservoir and Lake William C. Bowen (see preceding page). Some diurnal fluctuation caused by mill on North Pacolet River. About 26,976,575 gal (102,100 m^3) per day or 41.7 ft^3/s (1.18 m^3/s) diverted above station for City of Spartanburg water supply during water year.

AVERAGE DISCHARGE.--51 years, 352 ft^3/s (9.969 m^3/s), 22.55 in/yr (573 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft^3/s (646 m^3/s) Aug. 14, 1940, gage height, 22.43 ft (6.837 m), from rating curve extended above 9,600 ft^3/s (272 m^3/s) by velocity-area studies; minimum daily, 32 ft^3/s (0.91 m^3/s) Oct. 6, 7, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1903 reached a stage of 46 ft (14.0 m) from floodmark (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown, May 24, gage height, unknown; minimum daily, 123 ft^3/s (3.48 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1630	400	360	300	360	349	766	400	420	380	177	234
2	900	1400	360	300	340	360	671	400	400	340	192	205
3	546	800	340	280	340	380	637	380	380	320	186	180
4	517	500	340	360	340	400	632	380	360	340	183	217
5	633	420	340	320	320	440	568	380	340	340	180	195
6	553	380	340	280	360	380	546	360	320	300	174	172
7	488	360	340	200	340	360	479	360	320	300	177	155
8	409	340	320	310	340	1500	524	380	300	280	166	155
9	362	380	320	311	400	1000	824	360	280	280	166	160
10	340	400	320	308	440	600	563	340	280	300	160	172
11	333	480	320	319	440	440	574	320	280	300	166	174
12	314	750	340	402	420	480	509	320	260	280	174	147
13	312	600	340	350	400	600	768	320	260	260	169	135
14	303	500	320	788	380	500	2180	360	260	240	160	130
15	298	440	320	659	380	440	2540	380	260	240	155	130
16	296	400	300	514	360	420	1130	360	240	240	152	123
17	293	380	300	461	340	1700	815	500	300	220	150	128
18	291	360	300	934	340	1260	731	900	360	220	147	150
19	289	360	300	948	340	648	693	550	320	200	166	147
20	287	340	300	590	340	551	629	1900	300	190	177	150
21	288	360	300	452	340	1960	591	2000	280	180	158	147
22	300	340	320	396	340	1910	558	900	260	180	211	140
23	340	360	280	421	360	869	551	1200	360	170	195	128
24	300	340	340	405	340	904	482	5000	800	180	166	125
25	280	440	420	400	340	967	438	2000	2800	170	163	474
26	260	800	320	400	340	711	442	1000	2600	180	155	340
27	280	500	300	400	320	619	445	800	1200	190	150	177
28	260	400	300	380	340	1170	432	600	650	220	172	183
29	300	380	280	380	348	2280	420	550	500	200	174	827
30	1400	360	300	380	---	1240	420	500	440	190	180	722
31	500	---	300	360	---	1040	---	480	---	180	211	---
TOTAL	13902	14270	9980	13308	10388	26478	21558	24680	16130	7610	5312	6522
MEAN	448	476	322	429	358	854	719	796	538	245	171	217
MAX	1630	1400	420	948	440	2280	2540	5000	2800	380	211	827
MIN	260	340	280	200	320	349	420	320	240	170	147	123
CFSM	2.11	2.25	1.52	2.02	1.69	4.03	3.39	3.76	2.54	1.16	.81	1.02
IN.	2.44	2.50	1.75	2.34	1.82	4.65	3.78	4.33	2.83	1.34	.93	1.14

CAL YR 1979 TOTAL 179815 MEAN 493 MAX 4110 MIN 153 CFSM 2.33 IN 31.55
WTR YR 1980 TOTAL 170138 MEAN 465 MAX 5000 MIN 123 CFSM 2.19 IN 29.85

02156050 LAWSONS FORK CREEK AT DEWEY PLANT NEAR INMAN, S.C.

LOCATION.--Lat 35°01'31", long 82°04'27", Spartanburg County, Hydrologic Unit 03050107, on left bank, at Milliken and Co. Dewey Plant, 1.8 miles (2.9 km) southeast of Inman and 3.8 miles (6.1 km) upstream from the confluence with Meadow Creek.

DRAINAGE AREA.--6.46 mi^2 (16.73 km^2).

PERIOD OF RECORD.--Current year.

GAGE.--Water-stage recorder. Altitude of gage is 838 ft (255 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 213 ft^3/s (6.03 m^3/s) May 23, gage height, 7.86 ft (2.396 m); minimum, 4.0 ft^3/s (0.113 m^3/s) Sept. 23, 24, gage height, 1.09 ft (0.332 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	9.7	9.3	7.9	8.7	9.1	15	8.9	12	8.4	5.2	5.0
2	9.9	51	9.1	7.9	8.5	8.9	14	8.1	10	8.2	5.1	4.8
3	9.5	18	9.1	7.5	8.5	10	13	7.7	10	8.0	5.1	5.2
4	11	11	9.3	9.3	8.5	9.5	13	6.7	9.4	9.0	5.0	5.4
5	11	10	9.3	8.9	8.3	12	12	6.7	9.2	8.6	5.1	5.0
6	9.5	9.7	9.3	7.7	9.1	8.5	11	6.3	9.8	7.6	5.1	5.0
7	8.5	9.3	9.3	7.9	8.7	8.9	12	7.5	9.6	7.0	5.0	4.8
8	8.3	9.1	8.9	8.3	8.5	54	21	6.9	9.2	6.6	5.0	4.8
9	8.3	9.5	8.3	7.9	11	20	14	6.7	8.6	9.8	5.0	4.8
10	9.1	18	8.7	7.7	11	12	12	6.5	8.6	6.8	5.0	4.9
11	8.3	21	8.5	13	11	10	12	6.1	8.2	6.8	4.9	4.7
12	8.1	14	8.5	11	10	11	19	6.5	8.0	6.2	4.9	4.6
13	8.5	11	8.9	9.5	9.7	13	23	6.1	7.8	5.6	5.0	4.6
14	7.7	10	8.7	34	9.1	9.7	98	8.3	8.4	5.7	5.0	4.6
15	7.7	10	8.1	12	9.3	9.1	24	7.5	7.4	5.6	5.0	4.4
16	7.5	9.9	7.9	10	9.1	8.5	16	6.7	7.2	5.5	5.1	4.4
17	7.3	9.7	7.9	18	8.5	54	14	20	7.6	5.4	4.9	4.4
18	7.3	9.1	7.9	49	8.7	48	12	28	11	5.3	4.9	4.3
19	6.7	9.1	7.9	21	8.7	16	12	11	7.4	5.2	4.9	4.3
20	6.3	8.9	7.7	11	8.7	36	11	59	7.2	5.2	5.1	4.4
21	6.3	9.1	7.7	12	8.7	81	11	25	7.4	5.2	7.6	4.3
22	7.3	8.9	7.9	13	8.7	21	11	14	6.6	5.2	7.0	4.1
23	8.7	9.1	7.5	12	9.1	16	10	57	6.4	5.2	6.0	4.1
24	7.1	8.9	9.9	10	8.3	38	9.7	64	28	5.2	5.3	8.8
25	7.1	9.3	11	10	8.5	22	9.5	26	83	5.2	5.3	35
26	6.9	26	7.7	10	8.3	16	9.7	19	23	5.6	5.2	10
27	7.1	11	7.5	9.7	8.7	14	10	16	15	5.8	5.2	7.2
28	6.9	9.7	7.5	9.7	8.5	67	9.3	15	11	5.7	5.1	16
29	7.7	9.5	7.5	9.5	8.5	42	9.1	14	10	5.3	5.1	51
30	36	9.3	7.9	9.3	---	33	9.1	14	9.2	5.2	5.7	39
31	12	---	7.9	10	---	20	---	13	---	5.2	5.3	---
TOTAL	284.6	378.8	262.6	384.7	260.9	738.2	476.4	508.2	376.2	195.3	163.1	273.9
MEAN	9.18	12.6	8.47	12.4	9.00	23.8	15.9	16.4	12.5	6.30	5.26	9.13
MAX	36	51	11	49	11	81	98	64	83	9.8	7.6	51
MIN	6.3	8.9	7.5	7.5	8.3	8.5	9.1	6.1	6.4	5.2	4.9	4.1

WTR YR 1980 TOTAL 4302.9 MEAN 11.8 MAX 98 MIN 4.1

02156500 BROAD RIVER NEAR CARLISLE, S.C.

LOCATION.--Lat 34°35'46", long 81°25'20", Union County, Hydrologic Unit 03050106, on right bank at downstream side of bridge on State Highway 72, 1.3 mi (2.1 km) upstream from Sandy River, 2.0 mi (3.2 km) downstream from Seaboard Coast Line Railroad bridge, 2.5 mi (4.0 km) east of Carlisle, 5.0 mi (8.0 km) downstream from Neals Shoals Dam, and at mile 226.0 (363.6 km).

DRAINAGE AREA.--2,790 mi^2 (7,230 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 892: 1939(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 290.79 ft (88.605 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff.

AVERAGE DISCHARGE.--42 years, 4,093 ft^3/s (115.9 m^3/s), 19.92 in/yr (506 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft^3/s (3,483 m^3/s) Oct. 10, 1976, gage height, 31.51 ft (9.604 m), from rating curve extended above 66,000 ft^3/s (1,869 m^3/s) on basis of computation of peak flow over Neals Shoals Dam; minimum, 37 ft^3/s (1.05 m^3/s), Aug. 29, 1955; minimum daily, 44 ft^3/s (1.25 m^3/s) Sept. 2, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25,000 ft^3/s (708 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 22	1830	30,100	852	15.05	4.587	Apr. 16	0730	27,400	776	14.15	4.313
Mar. 29	2200	*37,600	1,060	*17.28	5.267	June 26	2300	33,100	937	15.97	4.868

Minimum discharge, 842 ft^3/s (23.8 m^3/s) Aug. 29; minimum daily, 1,730 ft^3/s (49.0 m^3/s) Aug. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20700	3930	4210	3390	3820	3070	10600	4320	4830	4540	2750	2640
2	21100	3780	4000	3020	3770	3050	8500	4370	3810	4230	2750	2780
3	9060	9950	3870	3170	3480	2960	6950	3730	3470	3670	2730	2340
4	6280	10800	3580	3190	3340	3070	6660	3920	3560	3290	2370	2130
5	7500	6760	3320	3440	3350	3140	6720	3680	3540	3870	2010	2580
6	6360	5120	3530	3440	3250	3700	6350	3820	3420	3950	1870	2450
7	5360	4560	3670	3270	3480	3350	4950	4010	3400	3560	2010	2310
8	4580	4120	3650	3240	3320	7400	4780	3600	3390	3300	2090	2090
9	4060	3710	3490	3820	3650	11400	6700	3730	2800	3140	2590	2150
10	3530	3440	3320	3420	4920	6450	8980	3800	3120	2720	2090	1940
11	3670	7640	3440	3490	5760	4380	8720	3500	2700	2700	1900	2070
12	3690	12000	3390	4850	4930	3690	6950	3200	2630	3490	1730	2210
13	3340	7660	3510	4950	4250	6510	6570	3190	2890	3250	2040	2150
14	3170	5780	3100	4850	3640	6850	8110	3240	3050	2780	2150	1770
15	3250	4990	3530	11100	3580	4970	19900	3210	2660	2500	2100	2000
16	3070	4520	3220	7830	3590	3450	23300	3320	2640	2760	2030	2180
17	2670	4230	3150	5880	3500	3580	10600	3330	2670	2730	2130	1750
18	3150	3980	2870	10400	3510	8060	8360	4670	2950	2870	2240	2280
19	3000	3800	3240	21500	3110	12100	7580	9950	3590	3100	2340	2500
20	3140	3690	3120	12600	3110	8400	6990	6900	3670	2810	1990	2300
21	2940	3390	3100	7380	3310	16100	6460	11400	3470	2220	2310	2670
22	2750	3730	2910	5940	3200	28200	5830	14500	3040	2010	2330	2270
23	3120	3690	2970	6190	3430	17500	5610	8030	2730	2240	2700	2210
24	3020	3440	3250	5740	3260	9170	5190	8060	2610	2420	2940	2220
25	3020	3390	3560	4970	3070	12200	5020	11900	5420	2370	2310	2680
26	3090	4680	4190	4780	3050	11000	4660	11000	23900	2760	2280	5040
27	2910	6880	3800	4270	3040	7940	4490	7280	24000	2730	1830	5010
28	2640	6300	3350	3890	3040	8290	4970	5730	8670	2340	2010	3220
29	2450	5300	3140	3850	3040	29000	4910	4810	6260	2760	1800	4190
30	2890	4890	3150	3630	---	29500	4490	4630	5080	4400	1890	9320
31	4100	---	3200	3580	---	14300	---	4800	---	3550	2210	---
TOTAL	153610	160150	105830	175120	103800	292770	229800	175630	149970	95060	68520	83450
MEAN	4955	5338	3414	5649	3579	9444	7660	5665	4999	3066	2210	2782
MAX	21100	12000	4210	21500	5760	29500	23300	14500	24000	4540	2940	9320
MIN	2450	3390	2870	3020	3040	2960	4490	3190	2610	2010	1730	1750
CFSM	1.78	1.91	1.22	2.03	1.28	3.39	2.75	2.03	1.79	1.10	.79	1.00
IN.	2.05	2.14	1.41	2.33	1.38	3.90	3.06	2.34	2.00	1.27	.91	1.11

CAL YR 1979 TOTAL 1890590 MEAN 5180 MAX 46800 MIN 1650 CFSM 1.86 IN 25.21
WTR YR 1980 TOTAL 1793710 MEAN 4901 MAX 29500 MIN 1730 CFSM 1.76 IN 23.92

02156500 BROAD RIVER NEAR CARLISLE, S.C.-Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948, 1963-64, 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1973 to current year.
pH: October 1973 to current year.
WATER TEMPERATURE: October 1973 to current year.
DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum 179 micromhos Oct. 25, 1979; minimum, 21 micromhos March 31, 1977.
pH: Maximum, 9.1 units Dec. 29, 1978; minimum, 5.5 units Sept. 19, 1978.
WATER TEMPERATURE: Maximum, >33.5°C July 8, 21, 1977; minimum, 0.5°C Jan. 19, 1977.
DISSOLVED OXYGEN: Maximum, 14.4 mg/l Feb. 10, 1980; minimum, 3.8 mg/l July 28, 29, 1978.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 105 micromhos Mar. 8; minimum, 29 micromhos Apr. 15-16.
pH: Maximum, 7.6 units Feb. 27-28, July 11; minimum, 6.2 units Apr. 23, 25-30.
WATER TEMPERATURE: Maximum, 33.0°C July 17; minimum, 2.0°C Feb. 5.
DISSOLVED OXYGEN: Maximum, 14.4 mg/l Feb. 10; minimum, 5.8 mg/l Aug. 16.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	69	61	64	59	54	56	63	59	61
2	---	---	---	69	63	65	64	60	61	62	59	61
3	---	---	---	69	63	65	64	57	59	62	55	59
4	41	37	38	---	---	---	57	52	54	61	57	59
5	38	36	37	56	45	51	54	52	53	63	60	61
6	36	35	36	63	45	50	58	52	56	66	63	65
7	36	35	36	53	48	50	62	58	60	68	64	66
8	36	34	35	59	52	56	64	61	63	67	61	63
9	35	34	34	65	59	61	64	62	63	70	63	66
10	35	33	34	65	58	61	68	63	66	76	71	73
11	33	32	33	69	61	63	67	62	65	78	68	72
12	40	33	38	66	63	65	64	60	62	73	70	72
13	45	39	41	65	63	64	63	57	60	73	71	72
14	47	43	45	64	52	57	64	60	63	74	61	67
15	53	48	51	58	54	56	69	66	67	63	55	58
16	59	50	56	60	58	59	71	65	68	56	52	54
17	61	57	59	63	59	60	71	63	67	58	55	57
18	62	55	59	66	63	65	66	60	63	60	47	53
19	67	60	63	67	62	64	62	59	60	48	47	48
20	67	64	66	63	60	61	64	60	61	49	47	48
21	67	63	64	60	58	59	67	63	65	50	47	48
22	68	62	65	61	57	59	68	64	66	54	49	51
23	66	62	64	64	61	63	68	64	66	55	52	54
24	62	60	61	65	62	64	67	63	66	60	55	57
25	64	61	63	65	62	64	67	59	64	65	59	61
26	66	62	64	71	60	63	67	61	65	64	61	63
27	70	65	66	63	55	59	61	57	59	64	60	62
28	71	67	69	55	50	51	58	53	56	66	64	65
29	72	69	71	52	48	50	58	57	57	65	59	61
30	73	67	70	55	51	53	60	57	59	58	54	56
31	67	61	65	---	---	---	62	60	61	62	55	58

02156500 BROAD RIVER NEAR CARLISLE, S.C.-Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	63	60	61	72	68	70	59	40	50	57	54	55
2	64	60	62	73	72	72	48	44	45	59	56	57
3	63	60	61	74	72	72	53	48	51	60	56	58
4	64	59	61	73	68	70	55	53	54	63	58	60
5	62	55	59	71	67	69	54	52	53	64	58	61
6	58	51	54	79	71	74	55	52	54	62	54	57
7	53	51	52	84	78	81	57	55	56	65	53	56
8	58	54	56	105	85	93	58	54	56	60	56	58
9	58	55	56	---	---	---	---	---	---	66	60	63
10	71	53	64	63	57	60	---	---	---	67	60	63
11	71	68	70	63	61	61	---	---	---	65	61	63
12	68	61	64	65	57	63	---	---	---	68	62	65
13	65	62	63	56	53	55	---	---	---	65	59	62
14	66	63	64	60	53	56	---	---	---	60	57	59
15	68	64	66	63	60	61	34	29	32	60	58	59
16	69	67	68	70	63	66	37	29	34	65	61	64
17	74	68	70	75	67	71	41	37	40	69	64	66
18	69	63	66	67	56	62	44	41	43	67	62	64
19	68	64	66	74	54	62	48	44	46	50	44	47
20	67	64	66	80	74	77	49	47	48	45	42	43
21	73	64	69	83	50	70	49	47	48	45	41	43
22	73	67	69	61	41	51	49	47	48	44	40	42
23	72	67	70	44	41	42	49	46	47	46	41	43
24	68	66	67	47	44	46	53	48	51	49	45	47
25	72	67	70	47	45	46	56	54	55	45	41	42
26	70	66	69	51	47	49	60	56	57	45	43	44
27	66	62	64	53	51	52	62	60	61	48	45	47
28	66	62	64	45	35	40	62	56	59	53	48	50
29	69	64	66	37	33	35	54	49	52	55	49	52
30	---	---	---	45	35	40	53	49	51	56	53	54
31	---	---	---	59	45	50	---	---	---	56	52	55

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMHER	
1	57	52	54	48	45	46	60	52	56	82	81	82
2	59	55	56	48	46	47	69	59	62	84	78	81
3	59	51	53	51	46	47	70	64	67	78	61	70
4	55	52	53	52	49	50	72	67	69	86	57	64
5	59	54	56	54	50	51	74	67	70	63	60	62
6	63	59	61	54	50	51	73	68	71	67	63	65
7	64	60	62	50	46	48	73	67	70	70	67	69
8	66	62	64	50	46	48	75	69	72	75	69	73
9	69	66	68	50	46	48	79	70	76	75	70	73
10	67	61	64	64	47	52	78	73	76	73	70	72
11	65	60	63	55	49	53	76	59	64	75	68	71
12	59	58	59	62	55	59	73	64	69	75	71	73
13	67	59	63	65	62	64	76	73	75	75	72	73
14	70	65	67	68	64	67	74	69	71	78	75	76
15	71	63	65	67	62	64	72	66	69	77	72	75
16	74	71	73	65	59	61	74	64	68	83	76	79
17	74	69	71	66	58	59	74	71	73	86	72	80
18	69	66	67	67	58	62	78	74	76	75	67	71
19	71	61	65	68	63	65	89	81	86	78	68	73
20	69	64	66	76	68	71	89	69	79	79	70	73
21	68	60	64	76	69	72	71	58	69	80	70	75
22	69	63	65	79	72	75	71	63	68	78	66	73
23	69	63	65	77	69	72	72	64	67	72	68	71
24	70	62	64	69	55	67	80	72	76	76	68	72
25	80	49	58	73	64	69	77	67	71	81	64	68
26	45	38	41	78	71	74	77	68	71	68	63	65
27	44	38	41	79	74	76	72	68	70	71	59	63
28	45	43	44	79	67	72	71	65	67	71	53	56
29	48	45	46	73	66	69	84	71	76	51	44	48
30	49	43	46	70	52	59	77	71	73	54	43	48
31	---	---	---	54	52	53	84	77	82	---	---	---
YEAR	105	29	61									

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---		6.9	6.8		7.2	7.0		7.5	7.1	
2	---	---		7.0	6.7		7.2	7.1		7.5	7.1	
3	---	---		6.9	6.9		7.3	7.1		7.4	7.2	
4	7.1	6.9		---	---		7.3	6.9		7.3	7.1	
5	7.0	6.9		7.1	7.0		7.3	7.2		7.3	7.2	
6	7.1	6.9		7.3	7.1		7.4	7.1		7.4	7.2	
7	7.1	7.0		7.3	7.2		7.2	7.1		7.4	7.2	
8	7.2	7.0		7.3	7.1		7.3	7.2		7.4	7.2	
9	7.2	7.0		7.3	7.2		7.3	7.1		---	---	
10	7.1	7.0		7.2	7.1		7.3	7.1		---	---	
11	7.1	7.0		7.1	7.0		7.3	7.2		7.1	7.0	
12	7.2	7.0		7.2	7.0		7.3	7.1		7.3	7.1	
13	7.3	7.1		7.2	7.0		7.3	7.0		7.3	7.1	
14	7.3	7.1		7.2	7.0		7.2	7.0		7.3	7.0	
15	7.2	7.1		7.1	6.9		7.2	7.1		7.2	7.0	
16	7.2	7.0		7.1	6.9		7.2	7.1		7.3	6.9	
17	---	---		7.1	6.9		7.3	7.1		7.0	6.9	
18	7.1	7.0		7.1	6.9		7.4	7.1		7.0	6.8	
19	7.1	6.9		7.1	6.9		7.4	7.2		7.0	6.7	
20	7.1	6.8		7.2	6.9		7.4	7.2		7.0	6.6	
21	7.1	6.8		7.2	7.0		7.4	7.2		6.7	6.6	
22	7.1	6.8		7.2	7.0		7.4	7.1		6.6	6.5	
23	7.0	6.8		7.1	7.0		7.4	7.1		6.6	6.5	
24	7.0	6.7		7.1	7.0		7.4	7.1		6.6	6.5	
25	7.0	6.8		7.2	7.0		7.3	7.1		6.6	6.5	
26	7.1	6.8		7.1	6.9		7.3	7.2		6.6	6.5	
27	7.0	6.8		7.0	6.9		7.3	7.2		6.6	6.5	
28	7.2	6.8		7.1	6.9		7.3	7.1		6.6	6.5	
29	7.4	6.8		7.1	7.0		7.4	7.1		7.0	6.6	
30	7.2	6.9		7.2	7.0		7.3	7.1		7.1	6.9	
31	7.0	6.8		---	---		7.5	7.2		7.1	7.0	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.1	7.0		7.3	7.1		6.7	6.5		7.2	6.9	
2	7.2	7.0		7.4	7.3		6.5	6.4		7.2	7.0	
3	7.1	7.0		7.4	7.2		6.5	6.4		7.2	7.0	
4	7.1	7.0		7.5	7.3		6.4	6.4		7.3	7.0	
5	7.2	7.0		7.5	7.2		6.4	6.3		7.3	6.9	
6	7.2	7.0		7.4	7.2		6.4	6.3		7.3	7.0	
7	7.2	7.1		7.3	7.0		6.3	6.3		7.3	6.9	
8	7.2	7.1		7.0	6.9		6.3	6.3		7.1	6.9	
9	7.2	7.1		---	---		---	---		7.2	6.9	
10	7.1	7.0		7.0	6.8		---	---		7.2	6.8	
11	7.1	7.0		7.0	6.8		---	---		7.3	6.8	
12	7.0	6.9		7.1	6.9		---	---		7.4	6.9	
13	7.1	7.0		7.0	6.9		---	---		7.4	7.1	
14	7.1	7.0		7.0	6.8		---	---		7.3	7.1	
15	7.1	7.0		7.1	7.0		6.5	6.3		7.3	6.9	
16	7.1	7.0		7.1	6.9		6.8	6.4		7.2	6.8	
17	7.1	7.0		7.0	6.9		6.8	6.5		6.9	6.8	
18	7.2	7.1		7.2	6.9		6.5	6.4		7.0	6.8	
19	7.2	7.1		7.3	6.8		6.4	6.4		6.9	6.8	
20	7.1	7.0		7.3	6.9		6.4	6.3		7.0	6.8	
21	7.2	7.0		7.2	6.9		6.4	6.3		7.0	6.7	
22	7.2	7.0		7.0	6.6		6.4	6.3		6.9	6.8	
23	7.2	7.0		6.8	6.7		6.4	6.2		7.1	6.9	
24	7.3	7.0		6.8	6.8		6.4	6.3		7.2	6.9	
25	7.2	6.9		6.8	6.7		6.3	6.2		6.9	6.7	
26	7.5	7.0		6.7	6.6		6.3	6.2		6.8	6.7	
27	7.6	7.3		6.7	6.6		6.3	6.2		6.8	6.7	
28	7.6	7.2		6.8	6.7		6.3	6.2		6.7	6.6	
29	7.5	7.1		6.9	6.7		7.0	6.2		7.2	6.6	
30	---	---		7.0	6.8		7.1	6.9		7.2	7.0	
31	---	---		6.9	6.7		---	---		7.2	7.0	

02156500 BROAD RIVER NEAR CARLISLE, S.C.-Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.1	7.0		7.1	6.9		7.1	6.9		6.9	6.7	
2	7.1	7.0		7.1	6.9		7.2	6.9		6.8	6.6	
3	7.3	7.0		7.2	7.0		7.1	6.9		6.8	6.6	
4	7.3	7.1		7.2	7.0		7.2	6.9		6.8	6.5	
5	7.4	7.0		7.3	7.1		7.2	6.9		6.8	6.7	
6	7.2	7.0		7.2	7.0		7.2	6.9		6.8	6.7	
7	7.2	7.1		7.1	7.0		7.2	6.9		6.9	6.7	
8	7.2	7.0		7.2	6.9		7.2	6.8		6.8	6.7	
9	7.2	6.9		7.3	7.1		7.1	6.8		6.9	6.7	
10	7.4	7.0		7.3	7.1		7.1	6.8		6.9	6.7	
11	7.4	7.0		7.6	7.1		7.3	6.7		7.0	6.8	
12	7.4	7.1		7.4	7.1		7.3	6.9		7.0	6.8	
13	7.4	7.1		7.4	7.1		7.2	6.8		7.0	6.7	
14	7.2	7.0		7.3	7.1		7.0	6.7		7.0	6.7	
15	7.4	7.0		7.3	7.0		7.0	6.6		7.0	6.7	
16	7.4	7.1		7.4	7.0		6.9	6.6		7.1	6.7	
17	7.2	7.1		7.3	7.0		6.7	6.4		7.1	6.9	
18	7.2	7.0		7.1	6.7		6.9	6.5		7.0	6.9	
19	7.2	7.0		7.0	6.8		6.9	6.7		7.0	6.8	
20	7.2	7.0		7.1	6.8		6.8	6.6		7.0	6.8	
21	7.1	6.9		7.1	6.7		6.9	6.7		7.0	6.8	
22	7.2	6.8		7.1	6.8		6.9	6.7		7.0	6.8	
23	7.2	6.9		7.0	6.8		6.8	6.6		7.0	6.8	
24	7.1	7.0		7.2	6.9		6.8	6.5		7.0	6.8	
25	7.1	6.6		7.1	6.9		6.9	6.5		6.9	6.8	
26	6.9	6.5		7.1	6.9		7.0	6.7		6.8	6.7	
27	6.9	6.6		7.0	6.8		7.0	6.7		6.7	6.6	
28	6.8	6.6		6.9	6.8		7.0	6.7		6.6	6.6	
29	6.6	6.5		7.4	6.8		7.1	6.7		6.7	6.4	
30	7.0	6.5		7.2	7.0		7.0	6.7		6.7	6.6	
31	---	---		7.0	6.9		7.0	6.7		---	---	
YEAR	7.6	6.2										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	16.5	15.0	16.0	9.5	8.0	8.5	10.0	7.0	8.5
2	---	---	---	17.5	16.0	17.0	8.0	7.0	7.5	9.0	7.0	8.0
3	---	---	---	17.5	17.0	17.0	7.0	6.0	6.5	8.0	6.5	7.5
4	20.5	19.5	20.0	---	---	---	6.5	5.0	6.0	8.0	7.0	7.5
5	19.5	18.5	19.0	14.5	14.0	14.0	6.5	5.5	6.0	7.5	6.5	7.0
6	19.0	17.5	18.5	13.5	12.5	13.0	7.5	6.5	7.0	6.5	5.0	6.0
7	19.0	17.5	18.5	13.0	12.0	12.5	8.5	7.5	8.0	6.0	5.0	5.5
8	18.5	16.5	18.0	12.5	11.5	12.0	9.0	8.5	8.5	7.0	6.0	6.0
9	19.5	17.5	18.5	13.0	11.5	12.5	9.0	8.5	8.5	---	---	---
10	19.0	18.0	18.5	14.5	13.0	13.5	8.5	8.0	8.0	---	---	---
11	18.5	17.5	17.5	15.0	14.0	15.0	8.0	7.5	8.0	8.0	7.0	9.0
12	21.5	17.0	19.0	15.0	14.5	15.0	9.0	8.0	8.5	---	---	---
13	21.5	18.0	19.5	14.5	14.0	14.0	10.5	9.0	10.0	---	---	---
14	19.5	16.0	17.0	14.5	13.0	14.0	11.0	10.5	11.0	7.0	6.5	7.0
15	18.0	15.0	16.5	13.0	12.0	12.5	11.0	10.0	10.5	7.5	6.5	7.0
16	17.5	14.5	16.0	12.5	11.0	11.5	10.0	10.0	10.0	8.5	7.0	7.5
17	---	---	---	11.5	10.5	11.0	10.0	8.5	9.5	9.0	8.0	8.5
18	17.0	16.5	17.0	11.5	10.0	11.0	8.5	7.5	8.0	10.0	8.5	9.5
19	18.0	16.5	17.0	11.5	10.0	10.5	7.5	7.0	7.0	10.0	9.5	10.0
20	19.0	17.5	18.0	12.0	10.5	11.5	7.5	6.5	7.0	9.5	9.0	9.0
21	20.0	18.0	19.0	12.5	11.0	12.0	7.0	6.5	7.0	9.0	8.5	8.5
22	20.5	18.5	19.5	13.5	12.0	12.5	7.5	7.0	7.5	9.5	8.5	9.0
23	20.0	18.0	19.0	14.5	13.0	13.5	9.0	8.0	8.5	10.0	9.5	9.5
24	19.0	17.5	18.0	16.0	14.5	15.0	10.5	9.0	9.5	9.5	9.0	9.0
25	18.0	16.0	17.0	16.5	15.0	16.0	10.5	10.0	10.0	9.0	8.0	8.5
26	17.0	15.0	16.0	17.0	16.0	16.5	10.5	9.5	10.0	9.0	8.5	8.5
27	15.5	13.5	14.5	16.0	14.5	15.5	10.0	9.0	9.5	9.5	9.0	9.0
28	15.5	13.0	14.0	14.5	13.0	14.0	9.0	7.5	8.5	9.5	9.0	9.0
29	16.0	13.5	14.5	13.0	11.5	12.0	7.5	6.5	7.0	9.5	8.5	9.0
30	15.5	14.5	15.0	11.5	9.5	10.0	6.5	6.0	6.5	9.5	8.0	8.5
31	16.0	15.0	15.5	---	---	---	7.5	6.5	6.5	8.0	6.5	7.5

02156500 BROAD RIVER NEAR CARLISLE, S.C.-Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.5	4.5	5.5	10.0	8.0	9.0	16.5	13.5	15.5	19.0	17.0	18.0
2	4.5	3.5	4.0	8.0	4.5	6.5	17.0	15.0	16.0	19.0	17.0	18.5
3	4.0	2.5	3.5	6.0	3.0	4.5	16.5	15.5	16.0	20.0	17.5	19.0
4	3.5	3.0	3.0	6.0	4.0	5.0	19.5	16.5	18.0	21.0	18.5	19.5
5	3.5	2.0	2.5	7.0	5.5	6.5	18.5	17.0	17.5	21.0	19.0	20.5
6	3.5	2.5	3.0	9.0	7.0	8.0	18.5	16.5	17.5	21.5	19.5	21.0
7	4.0	3.0	3.5	8.5	8.5	8.5	17.5	16.5	17.0	22.5	20.0	21.0
8	4.0	3.0	3.5	---	---	---	17.5	16.5	17.0	21.5	20.5	21.0
9	4.0	3.5	3.5	---	---	---	---	---	---	20.5	19.0	20.0
10	4.5	3.0	4.0	14.0	12.0	13.0	---	---	---	20.0	18.0	19.5
11	5.0	3.0	4.0	13.5	12.0	12.5	---	---	---	21.0	18.5	19.5
12	5.5	3.5	4.5	12.5	9.0	11.0	---	---	---	22.0	20.0	21.0
13	6.0	5.0	5.5	9.0	7.5	8.5	---	---	---	22.5	21.5	22.0
14	6.5	5.0	6.0	9.0	7.5	8.0	---	---	---	22.5	21.5	22.0
15	7.0	5.5	6.5	10.5	8.5	9.5	15.5	14.5	15.0	22.5	21.0	22.0
16	7.5	6.5	7.5	11.5	10.0	10.5	15.0	14.0	14.5	22.5	21.0	22.0
17	7.5	6.5	7.0	13.0	11.5	12.0	15.0	13.5	14.5	22.0	21.0	21.0
18	7.0	6.0	6.5	13.5	12.5	13.0	16.5	14.0	15.5	22.0	20.5	21.5
19	6.5	5.5	6.0	14.0	12.5	13.5	18.0	15.0	16.5	20.0	19.0	19.5
20	6.5	6.0	6.0	13.0	12.5	13.0	19.0	16.5	17.5	20.0	19.5	19.0
21	8.0	6.0	7.0	14.0	13.0	13.5	19.5	17.0	18.0	20.5	19.0	19.5
22	10.0	7.5	9.0	14.0	12.5	13.5	20.5	17.0	18.5	20.0	19.5	20.0
23	12.5	9.5	10.5	14.5	13.5	14.0	22.0	18.0	20.0	20.5	19.5	20.0
24	14.0	11.5	12.5	13.5	13.0	13.0	22.5	19.0	21.0	21.5	20.0	20.5
25	14.0	12.0	12.5	15.0	13.0	14.0	23.5	20.0	22.0	21.5	20.0	20.5
26	12.0	10.5	11.5	14.0	13.5	13.5	22.5	21.0	21.5	21.5	20.0	21.0
27	11.0	9.0	10.0	15.0	13.5	14.5	23.0	21.0	21.5	22.0	20.0	21.0
28	10.5	9.0	9.5	12.0	11.5	12.0	21.0	19.5	20.5	23.0	20.5	22.0
29	11.0	10.0	10.0	12.0	11.5	11.5	21.0	17.5	19.0	24.0	21.5	23.0
30	---	---	---	13.0	11.5	12.5	19.0	17.0	18.0	24.5	22.5	23.5
31	---	---	---	15.0	13.0	14.0	---	---	---	25.0	22.5	24.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.0	22.5	24.0	27.0	25.0	26.0	30.0	27.5	28.5	29.0	27.0	28.0
2	25.5	23.5	24.5	27.5	25.0	26.5	30.0	27.5	29.0	29.0	27.0	28.0
3	26.0	24.0	25.5	27.0	26.0	26.5	30.5	28.0	29.5	29.5	26.5	28.0
4	27.0	25.0	26.0	28.0	26.5	27.0	31.0	28.0	29.5	29.0	26.5	27.5
5	27.0	25.5	26.5	28.5	26.5	27.5	31.5	28.0	30.0	29.0	27.0	28.0
6	26.5	25.5	26.0	28.5	27.0	27.5	32.0	28.0	30.0	29.0	26.5	27.5
7	26.5	25.5	26.0	28.5	27.0	27.5	32.0	29.0	30.5	30.0	27.0	28.0
8	27.5	25.5	26.5	28.5	27.0	28.0	32.5	29.0	30.5	29.0	26.5	28.0
9	26.5	24.5	25.5	29.0	27.5	28.0	32.0	29.5	31.0	29.0	26.5	27.5
10	26.0	24.0	25.0	30.0	28.0	28.5	32.5	29.5	31.0	28.0	26.0	27.0
11	25.5	23.5	24.5	30.0	28.0	29.0	32.0	29.5	31.0	28.0	25.5	26.5
12	25.5	24.0	24.5	30.5	28.5	29.5	32.0	29.0	30.5	28.5	25.0	26.5
13	25.5	23.5	24.5	31.5	29.0	30.5	32.0	29.0	30.5	28.0	25.0	26.5
14	25.0	23.5	24.5	31.5	30.0	30.5	31.5	29.0	30.0	28.5	25.5	27.0
15	26.5	23.5	25.0	31.5	29.5	30.5	31.5	29.0	30.0	28.5	25.5	27.0
16	27.5	24.5	26.0	32.0	30.0	31.0	32.0	29.0	30.0	28.0	25.5	26.5
17	26.0	24.5	25.5	33.0	30.5	31.5	29.5	28.0	29.0	27.5	25.5	26.0
18	24.5	23.5	24.0	31.5	28.0	30.5	30.0	27.5	28.5	27.0	25.5	26.0
19	24.5	23.5	24.0	31.5	29.5	30.5	30.5	28.0	29.0	26.5	25.5	26.0
20	25.0	23.5	24.5	31.5	29.5	30.5	30.0	27.5	29.0	26.5	25.5	25.5
21	25.0	24.0	24.5	32.0	28.5	30.5	31.0	28.5	29.5	27.0	25.0	26.0
22	26.0	23.5	25.0	32.0	29.0	30.5	30.5	28.0	29.5	28.0	25.0	26.5
23	26.5	24.0	25.5	30.0	29.0	29.5	29.5	28.0	28.5	28.5	26.0	27.5
24	25.0	24.0	25.0	30.0	28.0	29.0	29.0	27.0	28.0	29.5	26.5	28.0
25	23.5	21.0	22.5	30.0	28.0	29.0	29.0	26.0	27.5	28.0	26.5	27.5
26	21.0	19.5	20.5	30.0	28.0	29.0	29.0	25.0	27.0	26.5	25.5	26.0
27	23.0	20.5	21.5	29.5	27.5	28.5	29.0	25.5	27.5	25.5	23.5	24.5
28	25.5	22.0	24.0	30.0	27.5	28.5	29.0	25.5	27.5	23.0	19.0	21.5
29	27.0	24.5	25.5	29.5	27.5	28.5	29.5	25.5	27.5	19.0	18.0	18.5
30	27.0	25.0	26.0	28.5	27.5	28.0	29.5	26.0	27.5	18.0	18.0	18.0
31	---	---	---	29.0	27.0	28.0	29.0	26.0	27.5	---	---	---
YEAR	33.0	2.0	18.0									

02156500 BROAD RIVER NEAR CARLISLE, S.C.-Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	9.3	9.1	9.2	11.5	10.9	11.3	11.2	10.2	10.8
2	---	---	---	9.2	8.0	8.9	11.9	11.3	11.6	11.4	10.7	11.0
3	---	---	---	8.6	7.9	8.3	12.2	11.6	12.0	11.7	11.0	11.3
4	8.6	8.1	8.3	---	---	---	12.3	11.7	12.1	11.9	11.6	11.8
5	8.6	8.3	8.5	10.5	9.9	10.2	12.2	11.6	11.9	12.4	11.6	11.9
6	8.8	8.3	8.6	10.4	10.0	10.2	11.8	11.5	11.6	12.7	12.2	12.6
7	8.8	8.5	8.7	10.3	10.0	10.1	11.5	11.0	11.3	13.4	11.2	12.9
8	9.1	8.6	8.8	10.7	10.0	10.2	11.3	10.8	11.0	12.7	10.9	11.7
9	9.0	8.5	8.7	10.3	9.9	10.1	11.4	10.8	11.1	---	---	---
10	8.7	8.6	8.6	10.0	9.6	9.9	11.7	11.0	11.3	---	---	---
11	8.8	8.2	8.7	10.0	9.1	9.6	11.9	11.3	11.6	11.2	10.8	10.9
12	8.8	8.0	8.4	10.1	9.8	10.0	12.0	11.3	11.6	---	---	---
13	8.6	8.2	8.4	9.9	9.7	9.8	11.4	10.9	11.2	---	---	---
14	9.0	8.7	8.8	9.8	9.7	9.7	11.1	10.4	10.7	11.6	11.2	11.4
15	9.5	9.1	9.2	10.1	9.8	10.0	11.0	10.4	10.7	12.2	11.4	11.8
16	9.7	9.0	9.4	10.4	10.2	10.4	11.3	10.6	10.9	11.7	11.0	11.3
17	---	---	---	10.9	10.5	10.7	11.5	10.7	11.0	11.1	10.7	11.0
18	9.6	9.4	9.5	10.9	10.7	10.7	11.8	10.8	11.2	11.3	10.5	10.8
19	9.4	9.1	9.2	10.9	10.7	10.8	12.0	11.3	11.5	12.2	11.0	11.6
20	9.1	8.8	9.0	10.8	10.5	10.6	12.0	11.1	11.4	11.3	10.1	10.6
21	8.8	8.5	8.7	10.5	10.3	10.4	11.8	11.1	11.4	10.5	10.1	10.3
22	8.7	8.4	8.5	10.3	10.1	10.2	11.9	11.0	11.4	10.4	10.1	10.3
23	8.6	8.3	8.4	10.1	9.9	10.0	11.5	10.8	11.1	10.1	9.8	9.9
24	8.9	8.4	8.6	9.9	9.5	9.7	10.9	10.5	10.7	10.0	9.8	9.9
25	9.1	8.5	8.8	9.5	9.2	9.4	10.4	9.8	10.2	10.4	10.0	10.2
26	9.5	8.9	9.2	9.3	8.9	9.1	10.3	9.7	10.0	10.3	10.1	10.2
27	9.7	9.2	9.5	9.7	9.0	9.3	10.8	9.8	10.3	10.1	10.0	10.1
28	10.2	9.5	9.7	10.0	9.7	9.9	11.6	10.2	10.8	10.1	9.9	10.0
29	10.5	9.5	9.8	10.3	10.0	10.2	11.8	11.0	11.4	10.6	10.0	10.3
30	9.7	9.5	9.6	11.5	10.3	10.8	11.7	11.3	11.5	11.3	10.5	11.0
31	9.6	9.1	9.3	---	---	---	11.6	11.0	11.4	11.6	11.3	11.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.4	11.9	12.2	10.3	9.8	10.0	9.6	9.4	9.5	8.5	8.1	8.3
2	13.0	12.6	12.9	10.8	9.9	10.4	9.5	9.2	9.3	8.3	8.0	8.2
3	13.5	13.2	13.4	12.2	10.9	11.5	9.2	8.9	9.1	8.3	7.9	8.1
4	13.9	13.6	13.7	12.5	11.6	12.0	9.0	8.7	8.8	8.2	7.8	8.0
5	14.1	13.8	14.0	11.6	10.9	11.3	9.0	8.8	8.9	8.1	7.7	7.9
6	14.2	13.9	14.1	11.1	10.2	10.7	9.1	8.8	9.0	8.1	7.7	7.9
7	14.2	13.9	14.1	10.7	10.0	10.3	9.2	8.9	9.0	8.1	7.5	7.8
8	14.3	13.8	14.0	---	---	---	9.1	8.9	9.0	8.0	7.6	7.8
9	14.2	14.0	14.1	---	---	---	---	---	---	8.4	7.6	8.0
10	14.4	12.6	13.3	9.8	9.4	9.6	---	---	---	8.6	8.0	8.3
11	12.9	11.1	12.0	9.7	9.4	9.5	---	---	---	8.7	8.0	8.3
12	12.0	10.7	11.4	10.4	9.4	9.7	---	---	---	8.4	7.8	8.1
13	11.5	11.0	11.3	10.8	10.3	10.5	---	---	---	8.3	7.7	7.9
14	11.6	11.0	11.2	11.2	10.6	10.9	---	---	---	8.1	7.6	7.8
15	11.4	11.0	11.2	10.8	10.3	10.7	11.1	10.3	11.0	8.2	7.5	7.8
16	11.1	10.8	11.0	10.5	10.0	10.3	11.0	9.6	10.4	8.2	7.5	7.8
17	11.0	10.5	10.7	10.0	9.6	9.8	9.5	9.2	9.3	7.8	7.5	7.6
18	11.3	10.6	11.0	10.3	9.5	9.8	9.2	8.8	9.0	8.1	7.5	7.8
19	11.8	11.1	11.5	10.5	9.7	10.1	8.9	8.5	8.7	8.6	8.3	8.4
20	11.8	11.4	11.6	9.8	9.4	9.6	8.6	8.3	8.5	8.5	8.0	8.3
21	11.6	11.2	11.4	10.7	9.5	10.1	8.6	8.4	8.4	9.6	8.3	9.2
22	11.3	11.0	11.1	11.3	10.7	11.0	8.4	8.1	8.3	9.5	8.3	8.8
23	11.0	10.4	10.8	11.2	9.7	10.5	8.2	7.9	8.0	8.3	8.0	8.1
24	10.7	10.0	10.3	10.0	9.6	9.8	8.0	7.6	7.8	8.6	8.0	8.2
25	10.5	9.8	10.1	10.5	9.8	10.3	7.7	7.4	7.5	8.9	8.3	8.5
26	10.7	9.9	10.2	10.4	9.5	10.0	7.5	7.4	7.4	8.6	7.9	8.2
27	11.2	10.0	10.6	10.1	9.6	9.9	7.5	7.3	7.4	8.0	7.7	7.9
28	11.4	10.4	10.8	10.6	9.8	10.1	7.8	7.5	7.7	7.8	7.5	7.7
29	11.4	10.3	10.7	11.6	10.8	11.2	8.2	7.8	8.0	7.8	7.5	7.6
30	---	---	---	11.2	9.9	10.4	8.4	8.2	8.3	7.7	7.4	7.6
31	---	---	---	9.8	9.2	9.6	---	---	---	7.7	7.5	7.6

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.6	7.2	7.4	7.2	7.0	7.1	6.8	6.5	6.7	6.6	6.0	6.3
2	7.5	7.2	7.4	7.2	6.9	7.1	6.8	6.6	6.7	6.3	5.9	6.1
3	7.6	7.3	7.5	7.6	7.1	7.3	6.8	6.5	6.7	6.5	6.0	6.2
4	7.7	7.4	7.6	7.2	7.0	7.1	7.0	6.5	6.8	6.5	6.1	6.3
5	7.7	7.4	7.6	7.0	6.7	6.9	7.3	6.5	6.9	6.5	6.2	6.3
6	7.7	7.4	7.6	6.9	6.5	6.7	7.4	6.8	7.1	6.5	6.1	6.3
7	7.8	7.5	7.6	7.1	6.6	6.8	7.4	6.7	7.1	6.5	6.1	6.2
8	7.7	7.4	7.5	7.8	6.8	7.3	7.2	6.5	6.8	6.5	6.1	6.2
9	7.9	7.4	7.7	7.4	7.1	7.3	7.0	6.5	6.7	6.5	6.1	6.3
10	7.9	7.7	7.8	7.3	6.8	7.1	7.0	6.3	6.6	7.1	6.2	6.5
11	8.4	7.8	8.1	7.6	6.8	7.4	6.9	6.1	6.5	7.1	6.6	6.8
12	8.6	8.0	8.3	7.0	6.7	6.8	6.9	6.0	6.4	7.2	6.7	6.9
13	8.7	8.1	8.3	6.9	6.5	6.7	7.0	6.1	6.4	7.3	6.6	6.9
14	8.4	8.1	8.2	7.1	6.4	6.7	6.8	6.2	6.4	7.6	6.7	7.0
15	8.5	7.9	8.2	7.1	6.5	6.8	6.9	6.0	6.4	7.3	6.7	6.9
16	8.1	7.8	8.0	7.2	6.5	6.8	6.8	5.8	6.3	7.0	6.6	6.8
17	7.9	7.7	7.8	7.0	6.4	6.6	6.7	6.1	6.4	7.3	6.6	6.8
18	8.2	7.8	8.0	6.7	6.0	6.5	6.8	6.2	6.5	6.9	6.6	6.7
19	8.0	7.9	8.0	6.5	6.2	6.3	6.6	6.1	6.3	6.9	6.6	6.7
20	8.0	7.8	7.9	6.7	6.1	6.3	6.4	6.0	6.2	6.9	6.6	6.7
21	7.9	7.8	7.9	6.4	5.9	6.2	6.6	6.1	6.3	6.8	6.3	6.6
22	8.0	7.5	7.8	6.6	6.0	6.3	6.4	6.0	6.2	6.8	6.0	6.4
23	8.1	7.9	8.0	6.4	6.0	6.2	6.4	6.1	6.2	6.7	6.0	6.3
24	8.1	7.8	8.0	7.0	6.5	6.7	6.2	5.9	6.1	6.6	6.0	6.2
25	10.7	8.3	9.2	7.0	6.5	6.7	6.4	5.9	6.1	6.3	5.9	6.1
26	11.5	10.2	11.0	7.0	6.6	6.8	6.7	6.2	6.4	6.5	6.0	6.2
27	10.5	8.4	9.4	6.9	6.5	6.8	6.9	6.3	6.5	6.8	6.4	6.6
28	8.6	7.9	8.2	7.0	6.5	6.7	6.9	6.4	6.6	7.8	6.8	7.2
29	8.0	7.4	7.8	7.4	6.8	7.0	7.2	6.4	6.6	8.5	6.3	8.1
30	7.7	7.0	7.5	7.1	6.6	6.8	7.0	6.3	6.5	9.0	8.5	8.8
31	---	---	---	6.7	6.4	6.6	6.8	6.2	6.4	---	---	---
YEAR	14.4	5.8	9.0									

02157000 NORTH TYGER RIVER NEAR FAIRMONT, S.C.

LOCATION.--Lat 34°55'45", long 82°02'40", Spartanburg County, Hydrologic Unit 03050107, on left bank 80 ft (24 m) downstream from Frey Creek, 2.2 mi (3.5 km) north of Fairmont, and at mile 57.9 (93.2 km).

DRAINAGE AREA.--44.4 mi^2 (115 km^2).

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorders and concrete control. Altitude of gage is 680 ft (207 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Oct. 25 to Dec. 16, May 10-12, and June 4-26, which are poor.

AVERAGE DISCHARGE.--30 years, 67.1 ft^3/s (1.900 m^3/s), 20.52 in/yr (521 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,610 ft^3/s (102 m^3/s) May 26, 1959, gage height, 13.58 ft (4.139 m), from rating curve extended above 2,100 ft^3/s (59.5 m^3/s); minimum, 6.0 ft^3/s (0.17 m^3/s) Sept. 19, 20, 1954; minimum daily, 7.0 ft^3/s (0.20 m^3/s) Sept. 19, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 700 ft^3/s (19.8 m^3/s) and maximum (*):

Date	Time	Discharge		Gage height		Date	Time	Discharge		Gage height	
		(ft^3/s)	(m^3/s)	(ft)	(m)			(ft^3/s)	(m^3/s)	(ft)	(m)
Mar. 21	0930	980	27.8	5.60	1.707	May 24	1030	*1,170	33.1	*6.53	1.990
May 20	2000	710	20.1	4.25	1.295	June 26	0045	888	25.1	5.14	1.567

Minimum daily, 16 ft^3/s (0.45 m^3/s) Aug. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	56	51	46	53	45	133	64	65	58	25	33
2	83	178	49	45	50	46	115	62	61	53	23	27
3	67	146	48	43	48	46	104	60	58	51	22	67
4	65	87	48	48	49	50	97	59	55	51	22	70
5	76	72	49	52	47	60	87	59	51	56	20	41
6	57	65	50	47	50	56	81	57	49	48	19	35
7	52	60	50	46	50	52	80	56	49	44	18	31
8	49	56	48	48	50	232	102	58	47	42	18	29
9	48	55	46	45	55	169	99	56	44	43	16	29
10	49	80	46	44	83	107	84	53	43	44	16	29
11	47	105	46	51	72	87	77	51	42	47	17	28
12	45	97	47	65	62	79	94	51	41	41	20	26
13	43	77	48	53	57	97	123	50	41	38	34	24
14	41	68	48	122	55	77	645	52	41	37	23	23
15	41	61	45	81	54	67	307	57	41	36	20	47
16	41	58	44	68	54	64	130	53	39	36	19	81
17	41	55	44	73	50	178	100	72	41	34	18	84
18	40	53	43	333	48	437	95	173	55	34	17	84
19	40	52	43	191	48	156	90	83	51	31	18	88
20	41	51	42	115	48	182	85	295	46	29	18	88
21	41	50	42	93	48	788	85	323	41	28	33	83
22	41	49	41	83	48	302	80	134	40	27	31	81
23	47	50	41	84	48	154	80	196	40	27	31	61
24	44	50	48	71	47	201	75	800	93	28	26	23
25	41	51	56	65	46	176	73	259	443	27	25	62
26	41	107	48	61	44	125	71	165	403	27	23	43
27	41	68	45	58	43	107	72	122	133	28	22	28
28	40	60	43	57	43	359	70	100	97	33	20	43
29	41	56	42	56	42	477	68	87	77	30	19	203
30	91	53	46	54	---	222	66	77	66	27	21	180
31	70	---	48	60	---	176	---	70	---	26	34	---
TOTAL	1624	2126	1434	2358	1492	5374	3468	3854	2393	1161	688	1771
MEAN	52.4	70.9	46.3	76.1	51.4	173	116	124	79.8	37.5	22.2	59.0
MAX	120	178	56	333	83	788	645	800	443	58	34	203
MIN	40	49	41	43	42	45	66	50	39	26	16	23
CFSM	1.18	1.60	1.04	1.71	1.16	3.90	2.61	2.79	1.80	.85	.50	1.33
IN.	1.36	1.78	1.20	1.98	1.25	4.50	2.91	3.23	2.00	.97	.58	1.48

CAL YR 1979 TOTAL 28565 MEAN 78.3 MAX 704 MIN 28 CFSM 1.76 IN 23.93
WTR YR 1980 TOTAL 27743 MEAN 75.8 MAX 800 MIN 16 CFSM 1.71 IN 23.24

02160105 TYGER RIVER NEAR DELTA, S.C.

LOCATION.--Lat 34°32'07", long 81°32'54", Union County, Hydrologic Unit 03050107, on right bank at downstream side of bridge on State Highway 72 and 121, 0.9 mi (1.4 km) downstream from Seaboard Coast Line Railroad, 0.8 mi (1.3 km) southeast of Delta, and at mile 9.0 (14.5 km).

DRAINAGE AREA.--759 mi^2 (1,966 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 300 ft (91 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 1,236 ft^3/s (35.00 m^3/s), 22.11 in/yr (562 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,300 ft^3/s (858 m^3/s) Oct. 11, 1976, gage height, 26.31 ft (8.019 m) (from floodmarks); minimum daily, 262 ft^3/s (7.42 m^3/s) Sept. 16, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,500 ft^3/s (212 m^3/s) and maximum (*):

		Discharge		Gage height	
Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)
Mar. 29	2300	*13,000	368	18.39	5.605

Minimum daily, 262 ft^3/s (7.42 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1950	1070	841	753	1020	731	3970	1010	1070	920	415	382
2	2200	920	787	757	952	769	2440	995	1020	833	415	488
3	1510	1390	753	724	888	769	2000	976	984	780	488	399
4	1090	1920	724	709	849	833	1840	956	944	753	420	346
5	1340	2100	716	876	826	976	1630	940	908	865	370	509
6	1170	1270	727	920	826	1190	1450	920	868	908	340	481
7	964	1040	750	822	849	1100	1350	904	849	795	320	405
8	818	944	735	807	857	2780	1460	932	837	724	310	373
9	738	868	705	1390	892	4570	2420	932	814	679	310	335
10	690	814	679	1180	1670	4510	1790	916	772	672	300	315
11	675	1490	672	976	1930	2480	1510	884	750	683	310	308
12	661	2790	668	1340	1550	1720	1370	868	735	735	300	305
13	624	2320	661	1280	1260	3030	1430	845	724	657	340	293
14	593	1580	661	1400	1120	3770	2270	833	705	607	357	285
15	568	1220	661	1720	1040	2360	4200	853	701	579	373	270
16	554	1050	661	1580	1000	1610	5780	876	709	572	346	262
17	551	952	650	1330	968	1380	3910	861	709	558	346	293
18	544	892	631	2890	916	2300	2100	1180	746	579	335	329
19	540	849	624	5030	872	3070	1780	1960	810	551	348	343
20	537	810	621	4990	853	3810	1590	1930	861	516	332	395
21	537	784	614	2980	841	5300	1460	3150	810	484	324	488
22	544	761	610	1760	837	6880	1360	4490	753	460	379	467
23	551	738	607	1940	829	7170	1300	3610	716	463	477	412
24	607	724	610	1740	810	4320	1230	2440	772	470	446	373
25	603	716	738	1410	787	3070	1160	4190	1400	446	395	505
26	575	900	826	1240	761	3090	1110	5000	2390	418	363	1230
27	551	1320	757	1150	738	2340	1080	2460	3360	373	340	837
28	540	1250	701	1090	735	3950	1060	1700	2260	366	324	642
29	533	1030	668	1030	735	11300	1050	1410	1310	389	313	1630
30	593	916	661	984	---	11300	1040	1260	1050	402	303	3430
31	964	---	712	995	---	7400	---	1160	---	443	305	---
TOTAL	24915	35428	21431	47793	28211	109878	58140	51441	31337	18680	11036	17130
MEAN	804	1181	691	1542	973	3544	1938	1659	1045	603	356	571
MAX	2200	2790	841	5030	1930	11300	5780	5000	3360	920	488	3430
MIN	533	716	607	709	735	731	1040	833	701	366	300	262
CFSM	1.06	1.56	.91	2.03	1.28	4.67	2.55	2.19	1.38	.79	.47	.75
IN.	1.22	1.74	1.05	2.34	1.38	5.39	2.85	2.52	1.54	.92	.54	.84

CAL YR 1979 TOTAL 464325 MEAN 1272 MAX 12200 MIN 395 CFSM 1.68 IN 22.76
WTR YR 1980 TOTAL 455420 MEAN 1244 MAX 11300 MIN 262 CFSM 1.64 IN 22.32

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1973 to current year.
pH: October 1973 to current year.
WATER TEMPERATURE: October 1973 to current year.
DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 217 micromhos Mar. 8, 1975; minimum, 13 micromhos Oct. 9, 10, 1976.
pH: Maximum, 7.9 units Dec. 21, 1979, Feb. 8-9, 1980; minimum, 5.9 units Mar. 14-16, 1975, Oct. 10, 1976.
WATER TEMPERATURE: Maximum, 30.5 July 14, 15, 1977, July 17, Aug. 8-10, 1980; minimum, 0.0°C Jan. 18, 19, 1977.
DISSOLVED OXYGEN: Maximum, 13.7 mg/l Feb. 20, 1979, Dec. 2, 1979; minimum, 4.8 mg/l July 3, 1978.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 134 micromhos Sept. 1; minimum, 13 micromhos June 29.
pH: Maximum, 7.9 units Dec. 21, Feb. 8-9; minimum, 6.1 units Mar. 28-29.
WATER TEMPERATURE: Maximum, 30.5°C July 17, Aug. 8-10; minimum, 0.5°C Mar. 3.
DISSOLVED OXYGEN: Maximum, 13.7 mg/l Dec. 2; minimum, 5.8 mg/l Apr. 26.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	81	61	69	98	94	96	102	97	99	103	94	98
2	63	61	61	99	93	97	103	101	102	94	83	88
3	70	63	67	100	86	94	110	102	106	84	83	83
4	79	71	76	85	70	78	105	93	102	86	83	84
5	81	76	79	68	63	65	94	89	91	104	86	96
6	87	81	85	68	66	68	113	96	107	109	104	107
7	92	87	91	73	68	70	115	113	114	107	106	107
8	94	92	93	92	74	84	115	113	114	106	100	104
9	98	87	94	101	92	97	115	111	113	99	72	82
10	90	84	86	106	101	104	114	112	113	100	86	94
11	102	91	99	107	77	91	112	104	110	103	100	102
12	106	101	104	76	68	70	104	98	101	99	94	95
13	109	105	108	67	66	66	114	101	110	102	95	99
14	113	108	111	73	67	70	116	114	115	98	88	91
15	116	112	114	86	73	79	120	116	118	87	74	81
16	117	110	115	96	86	93	120	118	120	81	74	77
17	109	101	104	99	96	97	121	116	119	84	81	83
18	112	102	109	100	98	99	116	108	113	83	56	68
19	116	112	114	102	99	100	108	104	106	61	58	59
20	120	115	117	102	94	99	116	106	113	66	59	63
21	122	118	120	93	88	90	120	115	118	70	65	68
22	125	120	123	---	---	---	118	117	118	72	70	72
23	124	116	120	110	107	109	121	117	119	76	71	73
24	116	105	110	109	106	108	119	106	114	85	76	81
25	117	105	112	110	106	108	106	98	103	90	85	88
26	118	116	117	106	99	103	98	90	95	97	90	94
27	120	118	119	98	82	89	89	83	85	99	97	98
28	121	118	120	81	79	80	83	80	81	100	96	98
29	121	117	118	88	80	85	99	81	89	96	83	90
30	123	111	120	97	89	93	106	100	104	83	82	82
31	110	94	100	---	---	---	108	103	106	101	99	100

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	104	101	102	108	105	107	56	49	53	85	82	84
2	105	104	104	107	103	105	65	57	61	90	85	87
3	110	105	106	105	101	103	68	65	67	90	89	90
4	108	105	107	105	90	99	71	69	70	92	89	91
5	105	92	99	90	84	87	73	71	72	93	85	90
6	100	90	93	91	83	85	75	73	75	85	78	81
7	107	100	104	94	90	93	76	73	75	79	78	79
8	108	106	107	---	---	---	73	50	65	94	92	93
9	106	101	105	---	---	---	64	50	57	95	93	94
10	100	81	88	---	---	---	68	64	67	93	90	92
11	81	79	80	64	62	63	70	68	70	95	92	94
12	80	76	78	68	63	66	76	71	74	94	84	90
13	87	77	81	62	56	59	79	73	77	83	74	79
14	92	87	90	62	56	59	73	57	68	82	73	75
15	98	92	96	69	62	65	56	47	49	94	83	90
16	100	98	99	80	70	75	49	47	48	98	94	96
17	102	99	101	81	75	79	57	48	51	98	96	98
18	103	102	102	74	62	66	64	57	61	97	81	93
19	101	91	97	63	58	62	65	63	64	81	65	69
20	95	88	90	58	50	54	63	62	63	66	57	64
21	102	95	100	52	46	48	66	63	64	59	48	52
22	107	102	105	49	47	49	66	63	65	53	48	50
23	110	107	108	48	48	48	74	64	69	62	53	58
24	111	108	110	55	48	52	77	74	76	65	52	60
25	112	110	111	56	54	55	81	77	79	51	49	51
26	97	90	93	61	55	58	85	81	84	54	49	51
27	91	85	87	65	61	63	89	86	88	58	54	56
28	104	92	100	68	35	53	90	84	87	61	58	60
29	107	104	106	39	36	37	83	71	77	74	61	68
30	---	---	---	45	37	42	82	71	76	81	74	77
31	---	---	---	49	45	47	---	---	---	88	81	86

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	89	88	88	69	66	67	106	101	103	134	124	131
2	90	87	88	66	66	66	109	104	107	122	95	105
3	87	75	82	79	66	70	109	102	106	94	87	89
4	81	75	77	75	71	73	105	100	102	89	87	88
5	89	82	87	73	68	71	101	93	97	115	87	99
6	94	90	93	70	67	69	92	87	90	100	94	96
7	97	94	96	69	66	67	102	87	92	108	101	104
8	97	96	96	69	66	68	109	103	106	113	105	109
9	98	92	96	70	68	69	112	108	110	113	102	108
10	92	84	90	87	70	78	120	111	116	102	95	98
11	86	81	83	---	---	---	123	116	120	111	94	102
12	98	87	95	---	---	---	116	101	109	120	111	116
13	102	98	100	---	---	---	101	96	99	125	120	123
14	106	101	104	---	---	---	107	94	99	126	124	125
15	107	104	106	90	85	87	114	108	112	128	125	126
16	108	98	104	87	85	86	120	114	118	128	116	123
17	97	85	93	104	85	97	126	121	124	116	95	107
18	88	82	84	105	100	102	126	119	123	108	99	104
19	100	90	97	---	---	---	118	104	112	111	108	109
20	102	96	99	---	---	---	104	97	101	113	108	111
21	99	97	98	98	96	97	109	95	99	119	103	113
22	101	97	99	96	87	91	120	110	115	106	102	104
23	103	98	100	86	84	85	121	115	118	106	98	103
24	98	76	90	94	87	91	118	113	115	98	91	93
25	86	61	71	105	94	99	119	114	117	99	80	94
26	71	54	64	110	105	108	117	105	111	92	70	78
27	53	49	50	110	107	109	105	93	98	96	93	94
28	60	51	56	112	107	111	109	93	100	96	93	95
29	69	13	35	107	93	99	118	110	115	93	59	76
30	71	69	70	93	84	89	126	119	123	59	54	56
31	---	---	---	100	84	92	133	126	129	---	---	---
YEAR	134	13	90									

02160105 TYGER RIVER NEAR DELTA, S.C.—Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.1	6.8		6.9	6.8		7.3	7.0		7.7	7.4	
2	6.9	6.8		7.0	6.8		7.3	7.0		7.7	7.4	
3	6.9	6.6		7.0	6.7		7.6	7.1		7.7	7.4	
4	6.8	6.6		7.0	6.6		7.7	7.4		7.7	7.5	
5	6.9	6.8		6.9	6.6		7.8	7.5		7.8	7.4	
6	7.1	6.7		7.0	6.8		7.8	7.6		7.7	7.5	
7	7.1	6.9		7.1	6.8		7.6	7.4		7.8	7.6	
8	7.2	6.9		7.1	6.9		7.5	7.4		7.7	7.4	
9	7.2	7.0		7.3	7.0		7.7	7.4		7.4	7.2	
10	7.2	7.1		7.1	7.0		7.7	7.4		7.4	7.3	
11	7.2	7.0		7.0	6.7		7.7	7.4		7.4	7.3	
12	7.2	6.9		6.7	6.6		7.5	7.3		7.6	7.3	
13	7.2	7.0		6.8	6.7		7.5	7.3		7.5	7.3	
14	7.1	6.9		7.0	6.7		7.4	7.3		7.4	7.2	
15	7.1	6.8		7.1	6.8		7.6	7.4		7.6	7.2	
16	7.5	6.9		7.1	6.9		7.4	7.3		7.4	7.2	
17	7.7	7.3		7.2	7.0		7.8	7.4		7.3	7.2	
18	7.5	7.3		7.3	7.0		7.8	7.5		7.2	6.8	
19	7.3	7.2		7.3	7.0		7.8	7.5		7.1	6.9	
20	7.3	7.2		7.2	6.9		7.8	7.5		7.2	6.9	
21	7.3	7.1		7.1	6.9		7.9	7.5		7.2	7.0	
22	7.3	7.1		---	---		7.8	7.5		7.1	7.1	
23	7.3	7.1		7.2	7.1		7.5	7.5		7.5	7.1	
24	7.4	7.1		7.2	7.1		7.5	7.4		7.5	7.2	
25	7.4	7.1		7.2	7.1		7.5	7.3		7.3	7.3	
26	7.4	7.1		7.2	7.0		7.7	7.4		7.3	7.2	
27	7.4	7.1		7.1	6.9		7.6	7.4		7.4	7.3	
28	7.5	7.2		7.0	6.9		7.7	7.4		7.5	7.3	
29	7.5	7.1		7.2	6.9		7.7	7.4		7.5	7.3	
30	7.2	6.9		7.2	6.9		7.7	7.4		7.6	7.3	
31	7.0	6.8		---	---		7.5	7.4		7.7	7.5	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.7	7.5		7.5	7.4		6.7	6.3		7.3	7.0	
2	7.7	7.5		7.5	7.4		6.8	6.4		7.3	7.0	
3	7.7	7.5		6.9	7.2		6.9	6.6		7.3	7.0	
4	7.7	7.5		7.6	7.2		7.0	6.8		7.4	7.1	
5	7.8	7.5		7.6	7.3		6.9	6.7		7.4	7.0	
6	7.9	7.8		7.5	7.2		6.9	6.6		7.4	7.0	
7	7.8	7.4		7.5	7.2		6.9	6.7		7.3	7.0	
8	7.9	7.5		---	---		7.1	6.6		7.2	7.0	
9	7.9	7.7		---	---		6.9	6.6		7.3	6.9	
10	7.7	7.3		---	---		7.1	6.6		7.4	6.8	
11	7.6	7.3		6.9	6.7		7.1	6.8		7.5	7.1	
12	7.6	7.3		6.7	6.6		7.0	6.8		7.5	7.2	
13	7.6	7.3		6.5	6.4		7.0	6.9		7.4	7.2	
14	7.6	7.3		6.6	6.3		6.9	6.7		7.4	7.2	
15	7.6	7.3		6.9	6.5		6.6	6.3		7.4	7.2	
16	7.5	7.3		7.0	6.6		6.7	6.4		7.4	7.2	
17	7.6	7.4		7.0	6.8		6.7	6.5		7.3	7.2	
18	7.6	7.4		6.9	6.7		6.9	6.5		7.4	7.1	
19	7.7	7.4		6.8	6.6		7.0	6.5		7.2	7.0	
20	7.7	7.4		6.7	6.5		7.0	6.5		7.1	7.0	
21	7.7	7.3		6.6	6.3		7.0	6.7		7.0	6.8	
22	7.4	7.3		6.7	6.3		7.1	6.7		6.9	6.7	
23	7.4	7.3		6.6	6.3		7.2	6.7		7.0	6.8	
24	7.4	7.3		6.6	6.5		7.0	6.7		7.1	6.9	
25	7.5	7.3		6.8	6.5		7.0	6.6		7.0	6.7	
26	7.6	7.3		6.7	6.5		6.9	6.7		7.0	6.6	
27	7.8	7.4		6.8	6.5		6.9	6.7		7.1	6.6	
28	7.7	7.4		6.7	6.1		6.8	6.6		7.2	6.7	
29	7.4	7.3		6.3	6.1		7.1	6.6		7.0	6.7	
30	---	---		6.4	6.2		7.2	6.9		6.8	6.8	
31	---	---		6.6	6.4		---	---		6.9	6.8	

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.9	6.9		6.9	6.7		7.3	6.9		7.2	7.0	
2	6.9	6.8		6.9	6.6		7.4	7.2		7.2	7.0	
3	7.0	6.8		6.8	6.6		7.3	7.2		7.1	6.9	
4	7.0	6.9		6.9	6.6		7.4	7.2		7.0	6.8	
5	7.0	6.9		6.9	6.6		7.3	7.2		7.0	6.8	
6	7.0	6.9		6.8	6.6		7.3	7.2		7.0	6.7	
7	7.0	6.9		6.8	6.6		7.4	7.2		7.1	6.9	
8	7.0	6.9		6.9	6.6		7.4	7.3		7.1	6.9	
9	7.0	6.8		6.9	6.7		7.4	7.3		7.0	6.9	
10	7.0	6.8		6.9	6.7		7.4	7.3		7.1	7.0	
11	7.0	6.8		---	---		7.4	7.0		7.1	7.0	
12	7.0	6.8		---	---		7.1	6.9		7.1	7.0	
13	7.0	6.9		---	---		7.1	6.8		7.2	7.1	
14	7.1	6.9		---	---		7.0	6.8		7.2	7.1	
15	7.2	6.8		7.0	6.9		7.1	6.8		7.3	7.1	
16	7.2	7.0		7.1	6.9		7.2	6.9		7.2	7.1	
17	7.1	7.0		7.0	7.0		7.0	6.9		7.1	6.9	
18	7.1	6.9		7.0	6.9		7.1	6.9		7.0	6.9	
19	7.3	7.0		7.0	7.0		7.1	6.8		6.9	6.9	
20	7.4	7.0		---	---		7.1	6.8		6.9	6.9	
21	7.4	7.0		7.0	6.9		7.1	6.8		7.0	6.8	
22	7.4	7.1		7.0	6.9		7.0	6.8		7.0	6.8	
23	7.4	7.1		6.9	6.9		7.0	6.8		7.0	6.9	
24	7.2	7.0		7.1	6.9		7.0	6.8		7.0	6.9	
25	7.0	6.7		7.0	6.9		7.0	6.9		7.0	6.8	
26	7.0	6.6		7.1	6.8		7.0	6.9		7.0	6.6	
27	6.9	6.4		7.1	6.9		7.0	6.9		7.1	7.0	
28	7.1	6.5		7.1	6.9		7.1	6.9		7.1	7.0	
29	7.1	6.8		7.1	6.9		7.1	7.0		7.1	6.6	
30	7.1	6.7		7.2	6.9		7.2	7.0		6.6	6.5	
31	---	---		7.2	6.9		7.2	7.0		---	---	
YEAR	7.9	6.1										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.0	21.0	21.5	16.5	15.0	16.0	7.0	6.0	6.5	9.0	8.5	8.5
2	22.0	20.5	21.0	17.5	16.0	17.0	6.5	5.5	6.0	8.5	7.5	7.5
3	20.5	19.0	19.5	17.5	16.5	17.0	5.5	4.0	5.0	7.5	6.5	7.0
4	20.0	18.0	19.0	16.0	14.0	15.0	5.0	3.0	4.5	7.0	6.0	6.5
5	19.0	17.0	18.0	13.5	12.5	13.0	6.0	3.5	5.0	6.5	5.5	6.0
6	17.5	16.0	17.0	12.5	11.5	12.0	7.5	5.5	6.5	5.5	4.5	5.0
7	18.0	16.0	17.0	12.5	11.5	12.0	9.5	7.5	8.0	5.0	4.0	4.5
8	17.5	15.0	16.5	12.0	11.0	11.5	9.0	7.5	8.5	6.5	5.0	5.5
9	18.5	16.0	17.5	13.0	11.0	12.0	8.0	6.5	7.5	8.0	6.5	7.5
10	18.0	16.5	17.5	15.0	13.0	14.0	7.5	6.0	6.5	8.0	7.5	8.0
11	17.0	15.5	16.0	15.5	14.5	15.0	8.0	6.0	7.0	8.0	8.0	8.0
12	17.0	14.5	16.0	15.0	14.0	14.5	9.5	7.0	8.0	8.0	7.5	8.0
13	18.0	16.0	17.0	14.0	13.5	14.0	12.0	9.0	10.5	7.5	6.5	7.0
14	16.0	14.0	15.0	14.0	12.5	13.0	12.5	11.0	11.5	7.5	6.0	6.5
15	15.0	12.5	13.5	12.5	10.5	11.0	11.0	9.0	9.5	8.0	6.5	7.5
16	15.0	12.0	14.0	11.5	10.0	10.5	9.5	8.5	9.0	8.5	7.5	8.0
17	16.5	14.0	15.5	11.5	10.0	10.5	9.0	7.5	8.5	9.5	8.5	9.0
18	17.5	15.0	16.0	12.0	10.0	11.0	7.5	6.5	7.0	10.5	9.5	10.0
19	18.0	16.0	17.0	12.0	10.0	11.0	6.5	5.0	6.0	10.5	9.5	10.0
20	19.0	17.0	18.0	12.5	10.0	11.0	6.5	5.0	6.0	9.5	8.5	9.0
21	20.0	18.0	19.0	12.5	10.5	11.5	7.0	6.0	6.5	9.0	8.0	8.5
22	20.0	18.0	19.0	---	---	---	8.5	6.5	7.5	10.0	9.0	9.5
23	19.5	18.5	18.5	15.0	14.0	14.5	10.0	8.0	9.0	10.5	10.0	10.5
24	18.0	16.0	17.0	16.0	14.5	15.5	11.5	9.5	10.5	9.5	8.0	8.5
25	16.0	14.5	15.5	17.0	15.0	16.5	11.0	10.0	10.5	9.0	7.5	8.5
26	15.0	13.5	14.0	17.0	15.0	16.5	10.0	9.0	9.5	9.5	9.0	9.0
27	14.0	12.0	13.0	18.5	13.0	14.0	8.5	7.5	8.0	9.5	9.5	9.5
28	14.0	12.0	13.0	13.0	12.0	12.5	8.0	7.0	7.5	9.5	9.0	9.5
29	15.0	13.0	14.0	12.0	9.5	10.5	7.5	6.0	7.0	10.0	9.0	9.5
30	15.5	14.5	15.0	9.5	7.0	8.0	7.5	7.0	7.0	9.5	8.0	8.5
31	16.0	15.0	15.5	---	---	---	9.0	7.5	8.0	7.5	6.5	7.0

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	4.5	5.0	10.5	5.5	8.0	16.5	13.0	14.5	18.5	15.5	17.0
2	5.0	3.0	4.0	5.5	2.0	4.0	15.5	13.0	14.5	18.5	15.5	17.5
3	4.5	3.0	4.0	4.0	.5	2.5	15.5	14.0	15.0	19.5	16.5	18.0
4	4.5	3.5	4.0	6.0	2.5	4.5	18.5	15.5	19.0	20.5	17.5	19.0
5	4.5	2.5	3.5	7.0	5.5	6.5	17.0	15.0	19.5	20.5	18.0	19.5
6	4.5	4.0	4.0	9.5	7.0	8.0	16.5	13.5	15.0	21.0	17.5	19.5
7	5.5	4.0	5.0	10.5	8.5	9.5	16.0	14.0	15.0	20.5	18.0	19.0
8	5.5	4.0	5.0	---	---	---	17.0	15.0	16.0	20.5	19.0	19.5
9	5.5	4.5	5.0	---	---	---	18.5	16.0	17.0	19.5	17.5	18.5
10	6.0	4.5	5.0	---	---	---	18.0	15.5	17.0	19.5	16.0	18.0
11	6.0	4.0	5.0	13.0	11.5	12.0	18.0	15.0	16.5	20.0	16.5	18.5
12	6.0	4.0	5.5	11.5	6.5	9.0	17.0	16.0	16.5	22.0	18.0	20.0
13	6.5	5.0	6.0	6.5	6.0	6.5	16.5	15.5	16.0	22.0	20.0	21.0
14	7.0	4.5	6.0	9.0	6.0	7.5	17.0	16.0	16.5	21.5	20.0	20.5
15	8.0	5.5	7.0	10.5	7.5	9.0	15.5	14.5	15.0	21.5	19.5	20.5
16	9.5	7.5	8.5	11.5	8.5	10.0	15.0	13.0	14.0	21.5	19.0	20.5
17	8.5	6.5	7.5	13.0	11.0	12.0	15.5	13.0	14.0	20.0	19.0	19.5
18	7.0	5.0	6.0	14.5	12.0	13.0	16.5	13.5	15.0	21.0	19.0	20.0
19	7.0	4.5	6.0	13.5	11.0	12.5	17.5	14.5	16.0	20.0	19.0	19.5
20	8.0	6.5	7.0	12.5	12.0	12.0	18.5	15.5	17.0	20.0	19.0	19.5
21	10.0	7.0	8.5	14.0	12.5	13.0	18.5	15.5	17.0	20.0	18.5	19.0
22	12.5	9.5	11.5	13.0	11.5	12.5	19.0	15.5	17.5	19.5	18.5	19.0
23	15.0	11.5	13.0	12.5	11.0	12.0	20.5	16.5	18.5	20.5	19.5	20.0
24	15.5	13.0	14.0	12.5	11.5	12.0	21.5	18.0	20.0	21.0	20.0	20.5
25	14.0	12.0	13.0	13.5	11.0	12.0	22.5	19.5	21.0	21.5	20.0	20.5
26	10.0	9.0	9.5	13.0	12.0	12.5	21.5	20.0	21.0	21.5	20.0	21.0
27	9.5	7.0	8.5	14.0	11.5	13.0	21.5	19.5	20.5	22.0	20.0	21.0
28	10.0	7.5	9.0	13.5	10.0	11.5	20.0	18.5	19.5	22.5	19.5	21.0
29	11.5	9.5	10.5	11.0	10.0	10.5	18.5	16.5	17.5	22.5	21.0	21.5
30	---	---	---	12.5	11.0	11.5	17.5	15.5	16.5	23.0	21.5	22.0
31	---	---	---	15.0	12.5	13.5	---	---	---	23.5	21.5	22.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.0	21.5	22.5	26.0	23.5	24.5	29.5	26.0	27.5	26.5	23.0	24.5
2	24.5	22.0	23.5	26.0	23.0	24.5	29.0	26.0	27.5	27.0	24.0	25.5
3	25.5	22.5	25.0	25.5	24.0	25.0	29.5	26.5	28.0	27.0	24.0	25.5
4	26.0	23.5	24.5	26.5	24.0	25.0	29.5	26.5	28.0	26.5	24.5	25.5
5	25.0	23.5	24.0	27.0	24.0	25.5	29.5	26.5	28.0	26.5	24.0	25.0
6	24.5	23.0	23.5	28.0	25.0	26.5	29.5	26.0	28.0	26.5	24.0	25.0
7	25.5	23.0	24.0	27.5	25.5	26.5	30.0	27.0	28.5	27.0	24.5	25.5
8	26.0	23.5	25.0	27.5	24.5	26.0	30.5	27.5	29.0	26.0	24.0	25.0
9	24.5	22.5	23.5	27.5	25.5	26.5	30.5	27.5	29.0	25.5	23.0	24.5
10	23.5	21.0	22.5	28.0	25.0	26.0	30.5	27.5	29.0	25.0	23.0	24.0
11	23.0	21.0	22.0	---	---	---	29.0	27.0	28.5	25.0	22.5	24.0
12	23.5	21.5	22.5	---	---	---	29.0	26.0	27.5	25.5	22.5	23.5
13	23.5	21.5	22.5	---	---	---	28.5	25.5	27.0	25.0	22.0	23.5
14	23.5	21.5	22.5	---	---	---	27.5	25.5	26.5	25.5	22.0	23.5
15	25.0	22.0	23.5	30.0	28.5	29.0	29.0	25.5	27.0	26.0	22.5	24.0
16	26.0	23.0	24.5	30.0	28.5	29.0	29.5	26.5	28.0	25.5	22.5	24.0
17	24.5	23.0	23.5	30.5	28.0	29.5	27.5	25.0	26.5	24.5	23.0	23.5
18	22.5	21.5	22.0	29.5	27.5	28.5	27.5	24.0	26.0	25.5	23.5	24.0
19	24.0	21.5	22.5	29.5	27.0	28.0	28.0	25.5	26.5	24.5	23.5	24.0
20	25.0	22.0	23.5	---	---	---	28.5	25.0	26.5	24.0	23.0	23.5
21	24.0	22.5	23.5	30.0	27.5	28.5	29.0	25.5	27.0	24.5	23.0	23.5
22	24.0	21.5	23.0	28.5	26.5	27.5	27.5	25.5	26.5	26.0	23.5	24.5
23	25.0	22.0	23.5	27.0	26.0	26.5	26.5	24.5	25.5	26.5	24.0	25.5
24	23.5	22.5	23.0	28.0	26.5	27.5	26.5	24.0	25.0	26.5	24.0	25.5
25	22.5	21.5	22.0	28.0	25.5	26.5	26.0	23.5	24.5	25.0	23.5	24.5
26	22.0	21.0	21.5	28.5	25.5	27.0	26.0	22.5	24.0	24.0	21.5	23.5
27	23.0	21.0	22.0	27.5	25.0	26.5	26.0	22.5	24.0	23.5	21.0	22.0
28	25.0	22.5	24.0	28.0	25.0	26.5	26.0	22.5	24.0	21.0	18.0	19.5
29	27.0	24.0	25.5	28.5	25.0	26.5	26.0	23.0	24.5	17.5	16.5	17.0
30	26.5	24.5	25.5	28.5	25.0	27.0	26.0	23.0	24.5	17.5	17.0	17.0
31	---	---	---	29.0	25.5	27.0	25.5	23.0	24.0	---	---	---
YEAR	30.5	.5	16.5									

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.6	7.3	7.5	7.8	7.5	7.6	13.0	12.1	12.7	11.0	10.8	10.9
2	7.5	7.3	7.4	7.5	7.1	7.4	13.7	12.7	13.2	11.6	10.9	11.3
3	8.0	7.1	7.5	7.2	6.9	7.0	---	---	---	12.0	11.4	11.7
4	7.6	7.3	7.5	8.0	7.0	7.7	12.5	12.0	12.2	11.8	11.6	11.7
5	7.8	7.3	7.5	9.0	8.1	8.7	12.3	11.7	12.1	11.9	11.5	11.7
6	8.1	7.8	7.9	9.5	8.8	9.2	11.7	11.2	11.5	12.2	11.7	12.0
7	8.1	7.6	7.9	9.6	9.2	9.4	11.2	11.0	11.1	12.3	12.0	12.1
8	8.4	7.9	8.1	9.7	9.3	9.5	11.1	10.8	11.0	12.1	11.8	12.0
9	8.2	7.6	7.8	9.5	8.9	9.2	11.5	11.0	11.3	11.7	11.3	11.4
10	8.0	7.6	7.7	8.8	8.1	8.4	11.7	11.3	11.5	11.5	11.2	11.4
11	8.2	7.9	8.1	8.1	7.6	7.9	11.8	11.4	11.6	11.3	11.1	11.2
12	8.6	8.0	8.2	8.0	7.6	7.8	11.6	11.1	11.4	11.4	10.9	11.2
13	8.1	7.6	7.9	8.4	8.0	8.2	11.1	10.4	10.7	11.5	11.3	11.4
14	8.8	8.0	8.4	9.0	8.3	8.7	10.4	10.2	10.2	11.7	11.4	11.6
15	9.3	8.7	9.0	9.9	9.0	9.6	11.1	10.2	10.7	11.7	11.3	11.5
16	9.5	8.4	8.9	10.1	9.7	9.9	11.1	10.9	11.0	11.5	11.2	11.4
17	8.7	8.2	8.4	10.3	9.7	9.9	11.2	10.8	11.0	11.3	11.0	11.1
18	8.2	7.8	8.0	10.1	9.5	9.8	11.8	11.2	11.5	10.9	10.3	10.6
19	7.9	7.5	7.7	10.1	9.6	9.8	12.0	11.6	11.8	10.5	10.1	10.3
20	7.5	7.0	7.3	10.2	9.5	9.9	12.0	11.6	11.8	10.8	10.3	10.6
21	7.1	6.8	7.0	10.1	9.6	9.9	11.8	11.5	11.7	11.0	10.5	10.8
22	7.0	6.7	6.8	---	---	---	11.6	11.3	11.5	10.8	10.6	10.8
23	6.9	6.7	6.7	8.6	8.3	8.4	11.3	10.8	11.0	10.6	10.3	10.4
24	7.5	6.6	7.2	8.3	7.9	8.1	10.7	10.3	10.6	11.1	10.3	10.8
25	8.1	7.5	7.9	7.9	7.5	7.8	10.5	10.2	10.3	11.1	11.0	11.1
26	8.6	7.9	8.3	7.9	7.3	7.5	11.1	10.4	10.8	11.0	10.8	10.9
27	9.0	8.4	8.7	8.8	7.9	8.5	11.6	10.9	11.3	10.7	10.6	10.7
28	9.1	8.3	8.7	9.4	8.8	9.1	11.9	11.3	11.6	10.9	10.7	10.8
29	8.6	8.1	8.3	10.4	9.2	9.9	12.0	11.6	11.7	11.2	10.8	11.0
30	8.1	7.8	8.0	12.0	10.5	11.4	11.6	11.3	11.4	11.3	10.9	11.1
31	8.0	7.7	7.8	---	---	---	11.3	11.0	11.1	11.7	11.4	11.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.0	11.5	11.8	10.5	---	10.1	7.6	7.4	7.5	6.9	6.7	6.8
2	12.4	12.0	12.2	11.6	10.5	11.1	7.7	7.5	7.6	6.7	6.6	6.7
3	12.5	12.2	12.4	12.2	11.6	11.8	7.6	7.5	7.5	6.6	6.4	6.5
4	12.4	12.1	12.2	12.0	11.0	11.6	7.4	7.2	7.3	6.4	6.0	6.2
5	12.5	12.2	12.4	11.0	10.5	10.8	7.5	7.1	7.3	6.2	5.9	6.1
6	12.3	12.0	12.2	10.7	10.1	10.5	7.8	7.5	7.6	6.2	6.0	6.1
7	12.3	11.9	12.1	10.3	9.9	10.1	7.7	7.6	7.6	6.1	5.9	6.0
8	12.1	11.9	12.0	---	---	---	7.9	7.4	7.6	7.9	7.6	7.7
9	11.9	11.8	11.9	---	---	---	7.4	7.2	7.3	8.1	7.5	7.9
10	12.0	11.7	11.8	---	---	---	7.6	7.2	7.4	7.9	7.7	7.8
11	12.0	11.7	11.8	9.2	8.8	9.0	7.7	7.3	7.5	8.1	7.8	8.0
12	12.1	11.7	11.9	9.6	8.8	9.1	7.4	7.2	7.3	8.1	7.5	7.8
13	12.0	11.7	11.9	9.7	9.3	9.6	7.5	7.1	7.3	7.8	7.4	7.6
14	12.0	11.6	11.8	9.1	7.4	8.5	7.3	6.9	7.1	7.9	7.7	7.8
15	11.7	11.4	11.6	8.9	8.7	8.8	6.8	6.5	6.7	8.2	8.0	8.1
16	11.4	10.6	11.0	8.8	8.4	8.6	6.9	6.7	6.8	8.5	8.3	8.4
17	11.2	10.6	10.9	8.3	7.9	8.1	6.9	6.7	6.8	8.7	8.6	8.6
18	11.7	11.2	11.5	7.9	7.8	7.9	6.7	6.5	6.6	8.9	8.6	8.8
19	12.0	11.6	11.8	8.1	7.9	8.0	6.7	6.4	6.5	9.4	9.0	9.2
20	11.6	11.4	11.5	8.0	7.8	7.9	6.7	6.4	6.5	9.3	9.0	9.1
21	11.4	11.0	11.2	7.8	7.3	7.5	6.6	6.5	6.5	9.0	8.5	8.8
22	11.0	10.4	10.7	7.6	7.4	7.5	6.6	6.5	6.6	8.5	8.2	8.3
23	10.3	9.8	10.1	7.8	7.6	7.8	6.5	6.3	6.4	8.3	8.0	8.1
24	9.8	9.5	9.7	7.8	7.7	7.8	6.3	6.1	6.2	8.4	8.1	8.3
25	10.0	9.5	9.8	8.1	7.8	8.0	6.1	6.0	6.0	8.1	7.7	7.9
26	10.4	9.6	10.0	8.0	7.8	7.9	6.0	5.8	5.9	7.9	7.8	7.8
27	11.6	9.6	10.6	8.0	7.8	8.0	6.1	5.9	6.0	8.4	8.0	8.2
28	11.0	10.6	10.9	8.5	7.8	8.2	6.3	6.0	6.1	8.6	8.0	8.3
29	10.5	10.1	10.3	8.3	8.0	8.1	6.8	6.0	6.4	8.1	7.1	7.6
30	---	---	---	8.0	7.6	7.8	7.0	6.8	6.9	7.3	7.2	7.2
31	---	---	---	7.5	7.4	7.5	---	---	---	7.5	7.3	7.4

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	7.3	7.4	7.9	7.5	7.7	7.9	7.5	7.7	7.5	7.1	7.3
2	7.5	7.4	7.5	8.2	7.9	8.1	7.8	7.3	7.6	7.5	7.1	7.3
3	7.7	7.4	7.6	8.3	8.1	8.2	7.4	7.1	7.3	8.5	7.4	7.8
4	7.7	7.4	7.6	8.3	7.9	8.2	7.5	7.1	7.3	8.5	8.2	8.4
5	7.7	7.4	7.6	8.1	7.6	7.9	7.7	7.2	7.5	8.4	8.0	8.2
6	7.7	7.6	7.6	7.8	7.5	7.7	7.9	7.4	7.6	8.3	7.9	8.1
7	7.7	7.4	7.6	8.0	7.6	7.9	7.7	7.1	7.4	8.2	7.9	8.0
8	7.5	7.3	7.4	8.3	7.9	8.1	7.4	6.8	7.2	8.4	8.0	8.2
9	7.9	7.1	7.7	8.2	7.9	8.1	7.2	6.8	7.0	8.7	8.2	8.5
10	8.2	7.9	8.1	8.2	7.8	8.1	7.2	6.8	7.0	9.1	8.6	8.8
11	8.4	8.0	8.2	---	---	---	7.4	6.7	7.1	9.2	8.7	8.9
12	8.3	7.9	8.1	---	---	---	8.0	6.9	7.5	9.1	8.6	8.8
13	8.1	7.9	8.0	---	---	---	8.6	7.2	8.1	9.0	8.6	8.8
14	8.1	7.7	8.0	---	---	---	8.7	8.2	8.5	8.9	8.4	8.6
15	7.8	7.5	7.7	7.9	7.6	7.7	8.4	7.7	8.2	8.6	8.2	8.4
16	7.6	7.3	7.5	7.8	7.3	7.6	8.0	7.6	7.8	8.7	8.3	8.5
17	7.8	7.3	7.5	7.5	7.1	7.4	8.5	7.7	8.2	9.1	8.6	8.8
18	8.0	7.8	7.9	7.3	7.1	7.2	9.5	8.2	8.7	9.1	8.8	8.9
19	8.0	7.7	7.9	7.6	7.1	7.4	8.6	8.2	8.4	9.1	8.8	8.9
20	7.8	7.5	7.7	---	---	---	9.0	8.4	8.7	9.1	8.8	8.9
21	7.8	7.5	7.7	7.7	7.6	7.7	8.9	8.2	8.6	9.0	8.7	8.9
22	8.0	7.8	7.9	8.0	7.6	7.8	8.7	8.2	8.4	8.9	8.5	8.8
23	7.9	7.7	7.8	8.1	7.9	8.0	8.8	8.2	8.5	8.9	8.6	8.7
24	8.0	7.7	7.8	8.9	7.9	8.1	8.9	8.6	8.7	9.2	8.6	8.9
25	8.0	7.8	7.9	8.1	7.7	7.9	9.1	8.1	8.8	9.1	6.9	7.5
26	7.9	7.8	7.8	8.0	7.6	7.8	9.4	7.9	8.7	7.4	6.0	6.5
27	7.8	7.5	7.6	8.0	7.6	7.8	9.1	8.1	8.8	7.2	6.2	6.8
28	7.4	7.3	7.4	8.1	7.7	7.9	8.6	8.0	8.3	8.2	7.3	7.8
29	7.4	7.3	7.3	8.2	7.7	8.0	8.4	7.9	8.1	8.7	8.3	8.5
30	7.5	7.3	7.4	8.4	7.9	8.1	8.2	7.9	8.0	8.4	8.2	8.3
31	---	---	---	8.3	7.8	8.1	8.3	7.2	7.7	---	---	---
YEAR	13.7	5.8	8.8									

02160700 ENOREE RIVER AT WHITMIRE, S.C.

LOCATION.--Lat 34°30'33", long 81°35'54", Union County, Hydrologic Unit 03050108, on left bank at upstream side of bridge on U.S. Highway 176, 0.4 mi (0.6 km) downstream from Seaboard Coast Line Railroad, 0.5 mi (0.8 km) northeast of Whitmire, and at mile 19.2 (30.9 km).

DRAINAGE AREA.--444 mi^2 (1,150 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORDS.--October 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft (91.440 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 648 ft^3/s (18.35 m^3/s), 19.82 in/yr (503 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft^3/s (558 m^3/s) Oct. 10, 1976, gage height 32.58 ft (9.930 m); minimum, 108 ft^3/s (3.06 m^3/s) Sept. 17, 1980, gage height, 14.50 ft (4.420 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft^3/s (113 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 29	2200	*6,760	191	*26.43	8.056

Minimum discharge, 108 ft^3/s (3.06 m^3/s) Sept. 17, gage height, 14.50 ft (4.420 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	616	432	403	597	437	2420	571	537	413	206	140
2	692	469	417	403	566	444	1520	558	508	393	195	263
3	520	774	410	384	521	452	1250	545	485	372	219	208
4	446	1100	401	369	498	465	1130	532	459	360	226	172
5	592	735	400	449	485	532	1040	521	439	420	192	192
6	490	532	396	480	477	684	941	511	420	600	178	199
7	476	476	422	437	488	656	884	501	410	449	170	176
8	410	448	422	432	488	1610	925	506	408	372	166	168
9	382	428	403	820	508	2740	1570	516	401	348	164	150
10	362	418	391	672	931	2730	1140	493	379	345	160	142
11	350	873	381	548	1050	1240	925	477	367	340	162	136
12	340	1620	376	726	823	934	842	462	360	381	158	134
13	337	1060	372	717	678	1770	887	449	352	348	184	134
14	330	752	376	731	608	2340	1470	439	345	312	195	128
15	320	627	376	979	571	1270	2980	449	345	293	188	122
16	310	525	374	770	555	934	3730	470	350	281	166	116
17	305	525	364	647	553	829	1880	439	333	274	158	122
18	305	499	360	1650	527	1330	1130	639	340	281	148	130
19	305	481	355	2970	498	2020	989	995	372	265	150	136
20	305	467	350	2950	490	2020	899	761	417	252	166	184
21	305	451	348	1330	488	2730	838	1920	369	245	160	201
22	305	439	343	896	483	3700	785	2590	343	243	195	195
23	306	425	340	1030	485	3790	740	1410	324	261	206	172
24	332	413	343	957	477	1870	698	1340	336	234	176	152
25	340	411	396	755	465	1820	658	2200	550	223	182	154
26	321	488	459	670	452	1850	630	1800	1320	223	164	326
27	304	793	408	625	439	1210	611	884	1620	221	152	401
28	298	564	369	606	432	2220	608	734	639	217	140	281
29	295	527	355	574	432	5340	606	650	511	223	134	606
30	332	477	350	548	---	6170	582	597	449	263	130	1590
31	615	---	374	550	---	4320	---	566	---	230	138	---
TOTAL	12560	18413	11863	26078	16065	60457	35308	25525	14488	9682	5328	7230
MEAN	405	614	383	841	554	1950	1177	823	483	312	172	241
MAX	1230	1620	459	2970	1050	6170	3730	2590	1620	600	226	1590
MIN	295	411	340	369	432	437	582	439	324	217	130	116

CAL YR 1979 TOTAL 251068 MEAN 688 MAX 6250 MIN 217
WTR YR 1980 TOTAL 242997 MEAN 664 MAX 6170 MIN 116

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1973 to current year.
pH: October 1973 to current year.
WATER TEMPERATURE: October 1973 to current year.
DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 127 micromhos Dec. 23, 1979; minimum, 26 micromhos Oct. 9, 1976.
pH: Maximum, 7.9 units Aug. 13, 1980; minimum, 5.6 units Sept. 18, 1977.
WATER TEMPERATURE: Maximum, 30.0°C July 20, 21, Aug. 8, 10, 11, 13, 1977, June 28, 29, 30, 1978, July 13, 16-17, Aug. 8-10, 16, 1980; minimumn, 0.5°C Jan. 19, 20, 1977.
DISSOLVED OXYGEN: Maximum, 14.4 mg/l Jan. 20, 1976; minimum, 2.9 mg/l Sept. 2-3, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 127 micromhos Dec. 23; minimum, 30 micromhos June 26.
pH: Maximum, 7.9 units Aug. 13; minimum, 5.8 units Apr. 5.
WATER TEMPERATURE: Maximum, 30.0°C July 13, 16-17, Aug. 8-10, 16; minimum, 1.0°C Mar. 3.
DISSOLVED OXYGEN: Maximum, 13.8 mg/l Feb. 3-6; minimum, 2.9 mg/l Sept. 2-3.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	52	39	44	58	55	56	61	59	60	67	65	66
2	50	44	46	65	56	60	61	60	61	65	63	64
3	52	47	50	64	60	62	62	61	61	63	60	62
4	54	51	52	62	53	58	---	---	---	61	59	60
5	56	52	54	55	48	52	---	---	---	62	60	61
6	56	54	55	56	52	54	---	---	---	63	62	63
7	57	55	56	58	56	57	63	62	62	64	63	63
8	57	56	56	60	58	59	63	61	62	63	62	63
9	59	57	58	62	60	61	64	62	63	61	53	56
10	59	58	59	65	62	64	64	62	63	62	57	59
11	60	58	59	73	65	69	63	62	62	62	61	62
12	61	60	61	78	74	76	62	60	61	61	58	59
13	61	60	61	78	77	78	63	60	61	59	58	58
14	62	60	61	---	---	---	64	62	63	58	56	57
15	62	61	62	---	---	---	64	63	64	56	53	55
16	62	61	62	56	55	56	65	63	64	54	53	53
17	61	59	60	57	56	57	65	63	64	57	54	56
18	60	58	59	58	57	58	64	63	64	57	49	53
19	61	59	60	59	58	58	64	61	63	49	47	48
20	63	61	62	59	58	58	63	61	62	59	49	54
21	64	62	63	59	58	58	64	63	64	72	49	60
22	64	63	64	60	57	58	125	64	106	59	54	57
23	66	64	65	61	59	60	127	64	75	52	51	52
24	68	66	67	62	61	61	65	64	65	55	53	53
25	67	63	65	62	60	61	65	63	64	56	55	55
26	65	63	64	61	59	60	63	61	62	57	56	57
27	66	64	65	59	53	56	61	60	61	58	57	58
28	67	66	67	54	53	54	61	59	60	59	58	58
29	67	66	67	58	54	56	61	59	59	59	58	58
30	67	66	67	59	58	58	64	61	63	58	57	58
31	67	58	64	---	---	---	67	64	66	60	58	59

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	61	59	60	63	62	63	49	46	48	59	57	58
2	60	59	59	63	62	62	53	49	51	60	58	59
3	61	60	60	63	61	62	56	53	54	60	59	60
4	61	61	61	63	62	63	58	56	57	61	60	60
5	62	61	61	62	60	61	58	57	57	61	59	60
6	61	60	60	60	59	60	59	58	59	60	59	60
7	61	60	61	61	60	60	60	59	60	60	58	58
8	62	61	61	59	45	50	61	47	55	62	58	60
9	63	61	62	58	47	53	49	43	46	62	61	62
10	60	53	55	61	56	58	52	48	50	63	60	62
11	55	53	53	62	48	54	54	51	52	63	61	62
12	55	54	55	52	50	51	55	54	54	67	61	64
13	56	55	56	49	44	47	56	53	55	67	59	63
14	58	56	57	47	44	45	54	42	51	61	59	60
15	59	58	59	52	47	49	41	37	39	62	60	61
16	60	59	59	55	53	54	39	36	37	63	61	62
17	61	59	60	57	56	57	46	39	44	64	62	63
18	62	61	62	56	51	54	50	46	48	71	64	66
19	62	61	61	50	46	48	51	49	50	74	50	64
20	62	61	61	50	45	48	54	50	52	52	50	51
21	63	62	62	48	41	44	55	53	53	51	42	44
22	65	63	64	42	41	42	56	55	56	42	39	40
23	65	64	65	45	40	42	56	55	55	49	41	46
24	65	64	65	51	45	50	57	55	56	53	49	51
25	65	65	65	51	49	50	58	57	57	52	40	45
26	65	63	64	52	48	50	59	58	58	52	43	48
27	64	61	62	55	51	53	60	59	59	56	52	54
28	62	61	61	56	36	47	61	60	60	59	57	58
29	63	62	63	36	34	35	60	59	59	60	54	57
30	---	---	---	40	35	38	59	57	58	59	56	57
31	---	---	---	45	40	43	---	---	---	60	59	60

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	62	60	61	51	49	50	62	60	61	89	87	88
2	62	61	62	51	50	51	65	62	64	90	83	87
3	62	51	56	54	51	53	66	63	65	83	77	80
4	53	52	52	54	53	54	66	63	64	81	77	79
5	54	52	53	55	53	54	66	63	64	83	80	82
6	56	53	55	54	50	52	66	64	65	79	77	78
7	57	55	56	52	50	51	65	63	64	82	78	80
8	57	55	56	50	48	49	66	64	65	86	82	84
9	56	56	56	52	49	50	69	66	67	89	86	88
10	56	55	56	53	52	52	70	68	69	90	88	89
11	55	53	54	56	53	54	72	66	69	90	88	89
12	55	53	54	57	55	56	70	68	68	89	87	88
13	56	55	55	57	55	56	70	66	68	89	88	89
14	57	56	57	56	55	56	68	63	66	90	89	90
15	58	57	57	58	56	57	66	63	65	91	90	91
16	58	56	57	59	57	58	68	65	67	91	90	91
17	57	56	57	59	57	58	70	67	69	92	81	87
18	57	56	56	60	58	59	70	69	69	91	87	89
19	56	54	55	62	61	61	72	69	71	89	88	88
20	57	55	56	63	62	63	72	66	70	88	85	87
21	57	56	56	65	63	64	67	66	67	87	85	86
22	57	56	56	66	65	65	68	62	64	88	87	88
23	60	57	58	68	55	63	66	63	65	89	87	88
24	60	58	59	65	63	64	69	67	68	90	89	90
25	60	55	58	65	63	64	88	87	88	89	87	88
26	55	30	41	66	63	65	88	87	88	87	76	81
27	39	32	35	65	62	63	88	87	88	78	74	76
28	45	39	42	66	63	65	87	86	87	75	71	73
29	48	44	46	68	64	66	87	86	87	71	62	67
30	49	44	48	68	63	65	80	87	88	63	57	60
31	---	---	---	64	60	62	89	77	83	---	---	---
YEAR	127	30	61									

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.6	6.3		6.8	6.7		7.1	7.0		7.0	6.8	
2	6.5	6.3		6.8	6.7		7.1	7.0		7.0	6.9	
3	7.2	7.0		6.7	6.7		7.1	7.1		7.0	6.9	
4	7.2	7.1		6.7	6.5		---	---		7.0	6.9	
5	7.2	7.1		7.1	6.6		---	---		7.0	6.9	
6	7.2	7.1		7.2	7.0		---	---		7.0	7.0	
7	7.1	6.9		7.2	7.1		7.3	7.2		7.0	6.9	
8	6.9	6.8		7.2	7.0		7.3	7.2		7.0	6.9	
9	6.8	6.8		7.1	6.9		7.3	7.2		7.0	6.7	
10	6.8	6.7		6.9	6.7		7.3	7.2		6.9	6.9	
11	6.8	6.7		6.7	6.4		7.3	7.1		7.0	6.9	
12	6.8	6.7		6.4	6.3		7.2	7.1		7.0	6.9	
13	6.8	6.7		6.5	6.3		7.1	6.9		7.0	6.9	
14	6.8	6.7		---	---		7.0	6.9		7.0	6.8	
15	6.8	6.6		---	---		7.0	6.9		6.9	6.8	
16	7.2	6.6		7.5	7.2		6.9	6.8		6.9	6.8	
17	7.2	7.0		7.5	7.4		7.4	6.7		6.9	6.8	
18	7.1	6.9		7.5	7.4		7.4	7.3		6.8	6.5	
19	6.9	6.8		7.5	7.4		7.4	7.3		6.6	6.4	
20	6.8	6.7		7.5	7.3		7.6	7.2		6.7	6.4	
21	6.8	6.7		7.4	7.2		7.5	7.1		6.6	6.4	
22	6.7	6.6		7.3	7.1		---	---		6.7	6.5	
23	7.0	6.6		7.1	7.0		7.0	6.9		6.8	6.7	
24	7.0	6.9		7.0	6.9		7.0	6.9		6.8	6.7	
25	7.1	7.0		6.9	6.8		7.0	6.9		6.8	6.7	
26	7.0	6.9		6.9	6.8		7.0	6.9		6.8	6.7	
27	7.0	7.0		7.0	6.8		7.0	6.9		6.8	6.8	
28	7.0	7.0		6.9	6.9		7.0	6.9		6.9	6.8	
29	7.0	7.0		7.0	6.9		7.0	6.9		6.9	6.8	
30	6.9	6.9		7.1	7.0		7.0	6.8		6.9	6.8	
31	6.8	6.8		---	---		6.9	6.8		6.9	6.8	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.9	6.8		7.0	6.9		6.3	6.2		7.2	7.1	
2	6.9	6.8		7.0	6.9		6.2	6.0		7.2	7.1	
3	6.9	6.8		7.0	6.9		6.1	6.0		7.2	7.0	
4	6.9	6.8		6.9	6.9		6.0	6.0		7.1	7.0	
5	6.9	6.8		6.9	6.8		6.0	5.8		7.1	7.0	
6	7.0	6.9		6.9	6.8		6.0	5.9		7.1	6.9	
7	7.0	6.9		6.9	6.8		6.0	5.9		7.1	6.9	
8	7.0	6.9		6.8	6.5		7.1	6.0		7.0	6.9	
9	6.9	6.9		6.6	6.4		7.0	6.8		7.0	6.9	
10	6.9	6.7		6.7	6.4		6.9	6.9		6.9	6.8	
11	6.8	6.7		6.7	6.5		6.9	6.8		6.9	6.8	
12	6.9	6.7		6.6	6.5		6.8	6.7		6.9	6.7	
13	6.9	6.8		6.6	6.5		6.8	6.7		6.9	6.7	
14	6.9	6.8		6.7	6.5		6.7	6.5		6.8	6.8	
15	6.9	6.8		6.8	6.6		6.5	6.3		6.8	6.7	
16	6.8	6.7		6.8	6.7		6.4	6.3		6.8	6.7	
17	6.9	6.8		6.8	6.7		6.5	6.3		6.8	6.7	
18	6.9	6.8		6.8	6.7		6.6	6.5		6.8	6.6	
19	7.1	6.8		6.7	6.5		6.7	6.6		6.9	6.5	
20	7.1	6.9		6.5	6.5		6.8	6.6		6.9	6.7	
21	7.1	6.9		6.6	6.4		6.8	6.6		6.7	6.3	
22	7.0	6.9		6.5	6.4		6.8	6.5		6.3	6.2	
23	7.0	6.9		6.4	6.3		6.8	6.6		6.4	6.2	
24	7.1	7.0		6.6	6.4		6.8	6.7		6.4	6.3	
25	7.1	7.0		6.7	6.6		6.8	6.7		6.4	6.2	
26	7.2	7.0		6.6	6.5		6.7	6.6		6.4	6.2	
27	7.1	6.9		6.7	6.6		6.7	6.6		6.5	6.4	
28	7.1	6.9		6.6	6.4		6.7	6.6		6.6	6.5	
29	7.0	6.9		6.4	6.4		6.7	6.6		7.2	6.5	
30	---	---		6.4	6.2		7.3	6.6		7.1	7.1	
31	---	---		6.2	6.2		---	---		7.1	6.9	

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.9	6.8		6.9	6.8		7.0	6.9		7.2	7.0	
2	6.8	6.8		6.9	6.8		7.0	6.9		7.0	6.8	
3	7.4	6.7		7.1	6.8		7.0	6.9		7.0	6.8	
4	7.5	7.3		7.0	6.9		6.9	6.9		7.1	6.9	
5	7.3	7.2		6.9	6.8		6.9	6.9		7.1	7.0	
6	7.2	7.2		6.8	6.6		6.9	6.8		7.1	7.0	
7	7.1	7.1		6.7	6.6		6.8	6.8		7.3	7.0	
8	7.1	7.0		7.2	6.7		6.8	6.8		7.4	7.0	
9	7.1	7.0		7.2	7.2		6.8	6.8		7.5	7.0	
10	7.3	7.0		7.2	7.1		6.8	6.8		7.3	7.0	
11	7.2	7.1		7.2	7.1		6.9	6.7		7.3	7.0	
12	7.1	6.9		7.2	7.1		7.8	6.8		7.3	7.0	
13	6.9	6.9		7.1	7.0		7.9	7.4		7.3	7.0	
14	6.9	6.8		7.1	7.0		7.5	7.4		7.2	7.0	
15	6.9	6.8		7.3	7.0		7.4	7.2		7.3	7.0	
16	6.9	6.8		7.2	7.1		7.3	7.1		7.3	7.0	
17	6.8	6.8		7.1	7.0		7.2	7.1		7.2	6.9	
18	6.9	6.8		7.0	6.9		7.3	7.0		7.2	7.0	
19	7.4	6.8		7.0	6.9		7.3	7.0		7.1	7.0	
20	7.3	7.1		7.0	6.9		7.2	7.0		7.0	6.9	
21	7.1	6.9		7.0	6.9		7.0	6.9		7.0	6.9	
22	7.1	6.9		7.0	6.9		6.9	6.7		7.0	6.9	
23	7.1	6.9		6.9	6.7		6.8	6.7		7.1	7.0	
24	7.1	6.9		6.9	6.9		6.8	6.7		7.1	7.9	
25	7.0	6.9		6.9	6.8		7.1	7.0		7.1	7.0	
26	7.0	6.5		6.9	6.8		7.2	7.0		6.9	6.8	
27	6.6	6.4		6.9	6.8		7.2	7.0		6.8	6.8	
28	6.6	6.5		7.0	6.8		7.2	7.0		6.9	6.8	
29	6.9	6.6		7.7	6.8		7.2	7.0		6.8	6.6	
30	6.9	6.8		7.3	7.0		7.2	7.0		6.6	6.4	
31	---	---		7.1	6.9		7.1	6.7		---	---	
YEAR	7.9	5.8										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.5	22.0	22.0	16.5	15.5	16.0	8.0	6.5	7.0	9.5	9.0	9.5
2	22.5	21.0	21.5	18.0	16.5	17.5	7.5	6.0	6.5	9.5	8.0	8.5
3	21.0	19.5	20.5	18.0	17.5	17.5	6.0	5.0	5.5	8.0	6.5	7.0
4	20.0	18.5	19.5	17.0	15.0	16.0	---	---	---	6.5	6.0	6.5
5	19.5	18.0	18.5	14.5	13.0	14.0	---	---	---	6.5	6.0	6.0
6	18.0	16.5	17.5	13.5	12.0	13.0	---	---	---	6.0	5.0	5.5
7	18.5	16.5	17.5	14.0	12.0	13.0	9.5	7.5	9.0	5.0	4.5	4.5
8	18.0	15.5	17.0	13.5	12.0	13.0	10.0	8.5	9.0	6.5	5.0	5.5
9	19.0	16.5	17.5	14.5	12.5	13.5	9.0	7.5	8.5	8.0	6.5	7.5
10	18.5	17.5	18.0	16.0	14.0	15.0	8.5	7.0	7.5	8.5	8.0	8.0
11	17.5	16.0	17.0	18.0	16.0	17.0	9.0	6.5	7.5	8.5	8.5	8.5
12	17.5	15.0	16.0	17.5	17.0	17.5	10.5	7.5	9.0	8.5	8.0	8.5
13	18.0	16.5	17.0	17.5	16.5	17.0	12.5	10.0	11.5	8.0	7.0	7.5
14	17.0	15.0	16.0	---	---	---	14.0	12.0	13.0	7.5	7.0	7.0
15	15.0	13.0	14.0	---	---	---	12.0	10.5	11.0	8.5	7.0	7.5
16	15.0	12.5	13.5	12.0	11.0	11.5	11.0	10.0	10.5	9.0	7.5	8.5
17	16.5	14.0	15.5	12.0	10.5	11.0	10.0	8.5	9.0	10.0	9.0	9.5
18	17.5	15.5	16.5	12.0	10.5	11.0	8.0	6.5	7.0	11.0	10.0	10.5
19	18.5	16.0	17.5	12.0	10.5	11.5	7.5	5.5	6.5	11.5	10.0	10.5
20	19.5	17.0	18.5	12.0	10.5	11.5	7.0	5.5	6.5	11.5	10.0	10.5
21	20.5	18.5	19.5	12.5	11.0	11.5	7.0	6.5	7.0	---	---	---
22	20.0	18.0	19.0	13.5	11.5	12.5	---	---	---	---	---	---
23	20.0	18.5	19.0	14.5	12.5	13.5	10.0	8.5	9.0	10.5	10.0	10.5
24	18.0	16.0	17.0	16.0	14.5	15.5	11.5	9.5	10.5	10.0	8.0	9.0
25	16.0	15.0	15.5	17.0	15.5	16.5	11.0	10.0	10.5	9.0	8.0	8.5
26	15.0	14.0	14.5	17.5	16.0	17.0	10.0	9.0	9.5	9.5	8.5	9.0
27	14.0	12.0	13.0	16.0	14.0	15.0	9.0	8.0	8.5	9.5	9.0	9.5
28	14.0	12.0	13.0	14.0	12.5	13.5	8.5	7.5	8.0	9.5	9.0	9.0
29	15.0	13.0	14.0	12.5	10.0	11.5	9.0	6.5	7.5	9.5	8.5	9.0
30	15.5	14.5	15.0	9.5	7.5	8.5	8.5	7.5	8.0	9.0	7.5	8.0
31	16.0	15.0	15.5	---	---	---	9.5	8.5	9.0	7.0	6.0	7.0

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	4.5	5.0	10.5	6.5	8.5	14.5	13.0	14.0	18.0	16.0	17.0
2	4.0	3.0	3.5	6.0	3.0	4.5	15.0	13.5	14.5	18.0	16.0	17.0
3	4.0	2.5	3.0	3.5	1.0	2.5	15.0	14.5	15.0	19.0	17.0	18.0
4	4.0	3.0	3.5	5.5	2.5	4.0	17.5	15.0	16.0	19.5	17.5	18.5
5	3.5	2.5	3.0	7.0	5.5	6.0	17.0	15.5	16.5	20.0	18.0	19.0
6	4.0	3.0	3.5	9.5	7.0	8.0	16.0	14.5	15.0	20.0	18.0	19.0
7	5.0	3.5	4.0	10.5	9.0	9.5	15.5	14.5	15.0	20.5	18.0	19.5
8	5.0	4.0	4.5	12.0	10.5	11.0	16.5	15.0	16.0	20.0	18.5	19.5
9	4.5	4.0	4.5	12.5	12.0	12.5	17.5	16.0	17.0	19.5	18.0	18.5
10	5.0	4.0	4.5	---	---	---	17.5	16.0	16.5	19.0	17.0	18.0
11	5.5	4.5	5.0	12.5	12.0	12.5	17.5	15.5	16.5	19.5	17.0	18.5
12	6.0	5.0	5.5	12.0	8.0	10.0	17.0	16.5	16.5	22.0	18.5	20.0
13	6.0	5.5	6.0	8.0	6.5	7.0	16.5	16.0	16.0	22.5	20.5	21.5
14	7.0	5.0	6.0	9.0	6.5	7.5	17.0	16.0	16.5	21.5	20.5	21.0
15	7.5	5.5	6.5	10.0	8.0	9.0	16.5	15.0	15.5	21.5	20.0	20.5
16	9.0	6.5	8.0	11.0	9.0	10.0	15.5	14.0	15.0	21.5	19.5	20.5
17	8.5	7.0	7.5	12.5	11.0	12.0	15.0	13.5	14.5	20.0	19.5	20.0
18	7.5	5.5	6.5	14.0	12.5	13.0	16.0	14.0	15.0	21.0	19.5	20.0
19	8.0	5.0	6.0	13.0	12.0	12.5	17.0	15.0	16.0	20.0	19.5	19.5
20	8.0	7.0	7.5	12.5	12.0	12.5	18.0	16.0	17.0	20.0	19.5	19.5
21	10.0	7.5	9.0	13.5	12.0	13.0	18.0	16.5	17.5	20.0	19.0	19.5
22	12.5	10.0	11.5	13.0	12.0	12.5	19.0	16.5	17.5	20.0	19.5	19.5
23	15.0	12.0	13.5	12.5	11.5	12.0	20.0	17.5	18.5	20.0	19.5	20.0
24	16.0	13.0	14.0	12.5	12.0	12.0	21.0	18.5	19.5	21.0	20.0	20.5
25	15.0	12.5	13.5	12.5	11.0	12.0	22.0	20.0	20.5	21.5	20.5	20.5
26	12.0	9.5	11.0	12.5	12.0	12.5	21.0	20.5	21.0	21.0	20.5	21.0
27	9.5	8.0	8.5	13.0	12.0	12.5	21.5	20.0	20.5	21.5	20.5	21.0
28	10.0	7.5	8.5	13.0	10.5	11.5	20.5	19.0	19.5	22.0	20.5	21.0
29	11.5	9.5	10.5	11.0	10.5	11.0	19.0	17.5	18.5	22.5	21.5	22.0
30	---	---	---	12.0	11.0	11.5	18.0	16.5	17.0	23.5	21.5	22.5
31	---	---	---	14.5	12.0	13.0	---	---	---	23.5	22.0	22.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.0	22.0	23.0	26.0	24.0	25.0	29.0	26.5	27.5	28.0	24.5	26.0
2	24.5	22.5	23.5	26.0	23.5	24.5	28.5	26.0	27.0	28.0	26.0	27.0
3	25.5	23.0	24.0	26.0	24.5	25.0	29.0	26.5	27.5	27.0	25.5	26.5
4	26.0	23.5	25.0	26.5	24.5	25.5	28.5	26.5	27.5	27.0	25.0	26.0
5	25.5	23.5	24.5	27.0	25.0	26.0	29.5	26.0	27.5	27.0	25.0	26.0
6	25.0	23.5	24.5	27.5	26.0	26.5	29.0	26.0	27.5	27.0	24.5	26.0
7	25.5	24.0	24.5	27.5	26.0	26.5	29.5	26.5	28.0	27.5	25.0	26.0
8	26.5	24.5	25.5	28.0	25.5	26.5	30.0	27.0	28.5	26.5	24.5	25.5
9	25.0	23.0	24.0	28.5	27.0	27.5	30.0	27.0	28.5	26.5	23.5	25.0
10	24.0	21.5	22.5	29.5	27.0	27.5	30.0	27.5	28.5	25.5	23.5	24.5
11	23.5	21.0	22.5	28.0	26.5	27.5	29.5	27.0	28.0	25.5	23.0	24.5
12	24.0	22.0	23.0	29.0	26.5	27.5	29.0	27.0	28.0	26.0	23.0	24.5
13	23.5	21.5	22.5	30.0	27.0	28.5	29.0	26.5	27.5	25.5	22.5	24.0
14	24.0	21.5	23.0	29.5	27.5	28.5	28.0	26.5	27.5	26.0	22.5	24.0
15	25.0	22.0	23.5	29.0	27.0	28.0	29.0	26.5	27.5	26.5	23.0	25.0
16	25.5	23.5	24.5	30.0	27.0	28.5	30.0	27.5	28.5	26.0	23.0	24.5
17	24.5	23.5	24.5	30.0	27.5	29.0	28.5	26.5	27.5	25.0	23.5	24.5
18	23.5	22.5	22.5	29.5	27.5	28.5	28.0	25.5	27.0	26.5	24.0	25.0
19	23.5	22.0	22.5	29.5	27.0	28.5	28.5	26.5	27.5	25.5	24.5	25.0
20	25.0	22.0	23.5	29.5	27.5	28.0	29.0	26.0	27.5	25.0	24.0	24.5
21	24.5	22.5	23.5	29.5	27.0	28.0	29.5	26.5	28.0	25.5	23.5	24.5
22	25.0	22.0	23.5	28.5	27.0	27.5	28.0	26.0	27.0	27.0	24.0	25.5
23	25.5	22.5	24.0	27.5	26.0	27.0	27.0	25.5	26.5	27.5	25.0	26.0
24	24.5	23.5	24.0	28.0	26.0	27.0	27.5	25.0	26.0	27.5	25.0	26.0
25	23.0	22.0	22.5	28.0	26.0	27.0	27.5	26.0	26.5	26.0	25.0	25.5
26	22.0	21.0	21.5	28.5	26.0	27.0	27.0	24.0	25.5	25.5	24.0	25.0
27	23.0	21.5	22.5	27.5	26.0	26.5	27.0	24.0	25.5	24.0	22.0	23.0
28	25.0	23.0	24.0	28.5	25.5	27.0	27.0	24.0	25.5	21.5	18.0	20.0
29	26.5	24.0	25.5	28.0	26.0	27.0	27.5	24.0	26.0	18.0	17.0	17.5
30	27.0	25.0	25.5	28.0	25.5	27.0	27.0	25.0	26.0	18.0	17.0	17.5
31	---	---	---	28.5	26.0	27.0	26.0	25.0	25.5	---	---	---
YEAR	30.0	1.0	17.0									

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.5	7.0	7.2	8.6	8.5	8.6	12.2	11.7	12.0	12.3	12.0	12.2
2	7.6	7.1	7.3	8.5	8.0	8.3	12.4	12.0	12.1	12.9	12.2	12.5
3	8.2	8.1	8.2	8.2	7.9	8.1	12.6	12.2	12.4	13.2	12.7	12.9
4	8.4	8.2	8.3	8.7	7.9	8.3	---	---	---	12.9	12.0	12.5
5	8.5	8.2	8.4	9.4	8.5	9.0	---	---	---	12.8	11.2	11.9
6	8.8	8.5	8.7	9.6	8.7	9.2	---	---	---	---	---	---
7	8.8	8.7	8.8	9.6	9.1	9.4	11.7	11.3	11.5	---	---	---
8	9.0	8.8	8.9	9.5	9.0	9.3	11.6	11.0	11.3	12.9	8.7	13.2
9	8.9	8.4	8.7	9.7	9.0	9.4	12.0	11.2	11.5	12.8	12.3	12.4
10	8.5	8.4	8.5	9.2	8.3	8.8	12.1	11.4	11.8	12.4	12.2	12.3
11	8.9	8.5	8.7	8.5	8.1	8.3	12.3	11.6	11.8	12.3	12.0	12.1
12	9.1	8.9	9.0	---	---	---	12.0	11.3	11.7	12.3	12.0	12.1
13	9.9	8.5	8.7	---	---	---	11.4	10.6	11.0	12.4	12.2	12.3
14	9.2	8.7	9.0	---	---	---	10.6	10.1	10.4	12.6	11.4	12.2
15	9.6	9.1	9.4	---	---	---	11.4	10.2	10.7	12.0	10.9	11.4
16	9.8	9.3	9.6	10.6	10.5	10.6	11.5	10.7	11.0	---	---	---
17	9.4	9.0	9.2	10.7	10.5	10.6	11.3	10.1	10.7	---	---	---
18	9.1	8.8	9.0	10.6	10.3	10.5	11.0	10.3	10.6	---	---	---
19	8.9	8.5	8.7	10.6	10.4	10.5	11.1	10.3	10.7	---	---	---
20	8.6	8.2	8.4	10.9	10.5	10.6	11.7	10.3	10.8	---	---	---
21	8.4	8.1	8.3	10.7	10.5	10.6	12.4	11.4	12.0	---	---	---
22	8.3	8.0	8.2	10.6	10.4	10.5	12.0	11.2	11.6	---	---	---
23	8.1	7.8	8.0	10.4	10.1	10.3	12.4	11.1	11.7	11.2	11.0	11.1
24	8.5	7.8	8.2	10.1	9.7	9.9	12.1	10.3	11.4	11.7	11.1	11.5
25	8.9	8.3	8.6	9.8	9.5	9.7	11.6	9.0	10.5	11.8	11.7	11.7
26	9.3	8.8	9.1	9.6	9.4	9.5	12.1	10.1	11.0	11.7	11.6	11.6
27	9.6	9.1	9.4	10.1	9.6	9.9	12.0	9.9	11.3	11.6	11.5	11.6
28	9.6	9.1	9.4	10.5	10.1	10.3	12.7	11.9	12.3	11.8	11.6	11.7
29	9.4	9.0	9.2	11.0	10.4	10.7	13.0	11.9	12.4	12.0	11.7	11.9
30	9.1	8.8	9.0	11.8	11.1	11.5	12.9	12.3	12.5	12.3	11.9	12.1
31	8.8	8.6	8.7	---	---	---	12.8	12.0	12.3	12.6	12.4	12.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.2	12.7	13.0	11.0	---	10.6	9.3	8.9	9.1	8.8	8.7	8.7
2	13.7	13.2	13.5	12.0	11.0	11.6	9.1	9.0	9.0	8.8	8.6	8.8
3	13.8	13.6	13.7	12.6	11.9	12.2	9.1	8.9	9.0	8.7	8.5	8.6
4	13.8	13.6	13.6	11.9	11.3	11.7	9.0	8.6	8.8	8.6	8.4	8.5
5	13.8	13.6	13.7	11.3	10.6	10.9	8.9	8.6	8.8	8.4	8.3	8.4
6	13.8	13.5	13.6	11.0	10.2	10.5	9.2	9.0	9.1	8.5	8.4	8.4
7	13.7	13.5	13.6	10.8	9.8	10.2	9.4	9.2	9.3	8.5	8.3	8.4
8	13.7	13.5	13.6	---	---	---	9.3	8.9	9.1	8.4	8.2	8.3
9	13.6	13.4	13.5	---	---	---	8.8	8.6	8.6	8.6	8.4	8.5
10	13.5	13.2	13.4	---	---	---	8.9	8.6	8.8	8.8	8.5	8.6
11	13.4	12.7	13.2	9.9	9.7	9.8	9.0	8.7	8.9	8.6	8.4	8.5
12	13.5	13.1	13.3	10.8	9.9	10.2	8.9	8.7	8.8	8.4	7.8	8.1
13	13.5	12.8	13.2	11.3	10.8	11.1	8.9	8.8	8.8	8.0	7.8	7.9
14	13.4	12.4	12.7	11.3	10.7	11.0	8.8	8.3	8.6	8.1	8.0	8.0
15	13.0	11.4	12.2	10.8	10.6	10.7	8.5	8.3	8.4	8.3	8.1	8.2
16	12.5	11.8	12.0	10.7	10.4	10.6	8.8	8.5	8.7	8.5	8.2	8.2
17	13.0	12.3	12.6	10.4	9.9	10.1	9.0	8.8	8.9	8.3	8.2	8.2
18	12.9	10.8	12.0	9.9	9.8	9.8	9.0	8.9	9.0	8.4	8.1	8.3
19	12.6	11.2	12.0	10.1	9.7	9.9	8.9	8.7	8.8	8.1	8.0	8.1
20	11.7	11.3	11.5	10.1	9.7	9.9	8.8	8.3	8.6	8.1	8.0	8.1
21	11.4	10.9	11.2	10.0	9.3	9.7	8.5	8.3	8.4	8.1	7.9	8.0
22	11.3	10.2	10.6	9.5	9.2	9.4	8.5	8.3	8.4	7.9	7.7	7.9
23	10.6	9.8	10.1	9.6	9.5	9.6	8.4	8.0	8.2	8.1	7.6	7.9
24	10.0	9.7	9.8	9.8	9.3	9.6	8.1	7.9	8.0	8.2	8.0	8.1
25	10.2	9.7	10.0	10.2	9.9	10.1	8.0	7.8	7.9	8.0	7.8	7.9
26	11.0	10.1	10.6	10.1	9.9	10.0	8.0	7.8	7.9	7.9	7.5	7.7
27	11.5	11.0	11.3	10.1	10.0	10.0	8.0	7.9	7.9	8.4	7.9	8.1
28	11.4	10.8	11.1	10.6	9.9	10.3	8.1	7.8	8.0	8.6	8.2	8.3
29	10.9	10.5	10.7	10.4	9.9	10.1	8.4	8.2	8.3	8.4	7.2	7.8
30	---	---	---	9.9	9.3	9.6	8.7	8.2	8.6	7.7	7.3	7.4
31	---	---	---	9.4	9.0	9.2	---	---	---	7.6	7.4	7.5

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	7.4	7.6	6.6	5.1	5.7	7.0	6.4	6.7	3.9	3.2	3.6
2	7.7	7.3	7.5	7.6	5.8	6.5	7.2	6.5	6.8	3.4	2.9	3.2
3	7.4	7.1	7.5	7.4	6.8	7.2	7.0	6.4	6.7	7.0	2.9	5.0
4	7.4	7.0	7.2	7.3	6.6	7.1	7.2	6.[illegible]	6.8	7.3	6.8	7.1
5	7.3	7.1	7.2	6.8	6.3	6.6	7.2	6.6	6.9	7.5	6.9	7.2
6	7.4	7.2	7.3	6.6	6.2	6.4	7.5	6.9	7.2	7.4	6.9	7.2
7	7.3	7.1	7.2	6.6	6.1	6.4	7.4	6.8	7.1	7.7	6.9	7.3
8	7.2	6.9	7.0	7.2	6.2	6.7	7.3	6.7	7.0	8.0	6.9	7.5
9	7.3	7.0	7.2	6.8	6.1	6.3	7.2	6.4	6.9	8.4	7.1	7.8
10	7.7	7.1	7.4	6.6	5.8	6.2	7.0	6.3	6.6	8.1	7.3	7.7
11	8.0	7.1	7.4	7.0	6.5	6.7	7.5	6.4	6.8	8.0	7.3	7.7
12	7.5	7.1	7.3	6.8	6.1	6.6	8.1	6.5	7.1	8.1	7.4	7.8
13	7.6	7.0	7.3	6.8	6.0	6.3	8.0	6.4	7.0	8.1	7.4	7.8
14	7.5	7.2	7.4	7.2	6.2	6.5	7.4	6.3	6.8	8.1	7.2	7.7
15	7.4	7.0	7.2	7.1	6.5	6.7	7.1	6.2	6.6	7.8	7.0	7.4
16	7.1	6.9	7.0	7.0	6.3	6.6	6.9	6.0	6.4	7.9	7.0	7.5
17	7.3	6.9	7.0	6.5	6.2	6.4	6.7	6.0	6.5	7.7	6.9	7.3
18	7.3	7.1	7.2	6.4	6.2	6.3	6.7	6.3	6.4	7.5	6.9	7.2
19	7.8	7.2	7.5	6.6	6.3	6.5	7.4	5.0	6.4	7.4	6.9	7.2
20	7.7	7.1	7.4	6.8	6.4	6.6	7.3	6.4	6.8	7.2	7.0	7.1
21	7.6	7.1	7.4	6.9	6.2	6.6	7.0	6.3	6.6	7.3	6.8	7.1
22	7.9	7.3	7.8	6.8	6.3	6.5	6.6	6.3	6.5	7.1	6.6	6.9
23	8.0	7.5	7.8	6.8	6.3	6.4	7.1	6.6	6.8	7.0	6.5	6.8
24	7.8	6.8	7.3	6.7	6.2	6.4	7.2	6.8	7.0	7.1	6.5	6.8
25	7.6	7.0	7.3	6.7	6.3	6.5	7.3	6.8	7.0	6.9	6.5	6.7
26	8.4	7.2	7.8	6.8	6.3	6.6	6.1	5.2	5.7	6.9	6.6	6.8
27	7.4	6.8	7.1	7.0	6.6	6.8	5.6	4.9	5.3	7.3	6.9	7.1
28	7.1	6.8	6.9	7.4	6.6	6.8	5.3	4.6	5.0	8.2	7.3	7.8
29	6.9	6.3	6.7	7.5	6.5	7.1	4.9	4.1	4.5	8.3	8.1	8.2
30	6.9	4.2	6.0	7.5	6.4	6.9	4.5	3.9	4.2	8.2	7.7	8.0
31	---	---	---	7.2	6.4	6.8	4.1	3.4	3.8	---	---	---
YEAR	13.4	2.9	8.9									

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.

LOCATION.--Lat 34°18'17", long 81°19'14", Fairfield County, Hydrologic Unit 03050106, on left bank at Fairfield Pump Storage Intake, 7.0 mi (11.2 km) northwest of Jenkinsville.

PERIOD OF RECORD.--March 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1978 to current year.
pH: March 1978 to current year.
WATER TEMPERATURE: March 1978 to current year.
DISSOLVED OXYGEN: March 1978 to current year.

INSTRUMENTATION.--Water-quality monitor since March 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 100 micromhos Oct. 28, 1978; minimum, 34 micromhos March 29, 1980.
pH: Maximum, 9.1 units June 20, 1978; minimum, 6.3 units several days Aug., Sept., 1978, Oct. 1979, Mar., July, Aug., 1980.
WATER TEMPERATURE: Maximum, 33.0°C July 31, 1980; minimum, 3.5°C Feb. 10, 11, 1978, Feb. 6, 8, 1980.
DISSOLVED OXYGEN: Maximum, 12.3 mg/l Feb. 10, 1978; minimum, 1.1 mg/l Aug. 3, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 83 micromhos Sept. 18-19, 23, 25; minimum, 34 micromhos Mar. 29.
pH: Maximum, 8.8 units June 4; minimum, 6.3 units Oct. 1-3, Mar. 9, 23-25, July 17, 20-23, Aug. 1, 3-5, 11, 14-15, 25.
WATER TEMPERATURE: Maximum, 33.0°C July 31; minimum, 3.5°C Feb. 6, 8.
DISSOLVED OXYGEN: Maximum, 11.9 mg/l Feb. 8; minimum, 1.1 mg/l Aug. 3.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	69	41	63	70	68	69	77	68	75	66	60	64
2	67	39	59	70	67	68	76	68	74	66	61	64
3	67	40	59	70	68	69	77	71	75	66	60	64
4	73	45	59	70	69	70	77	73	76	63	58	61
5	75	49	64	71	69	70	77	70	75	63	57	62
6	70	61	65	71	56	67	76	61	66	63	55	59
7	68	59	63	73	59	68	63	56	61	62	57	60
8	70	59	64	72	61	69	63	60	62	61	57	59
9	66	57	63	72	61	69	64	51	62	60	56	58
10	71	60	63	72	67	70	63	61	62	60	53	57
11	70	63	65	73	69	71	64	61	62	59	50	56
12	70	61	63	73	67	71	66	60	62	59	54	57
13	65	62	63	74	62	71	65	60	62	59	55	57
14	63	62	63	74	64	71	65	61	64	58	54	57
15	64	62	63	74	64	71	65	64	64	59	49	56
16	70	63	64	74	65	71	68	63	65	59	45	55
17	66	63	65	74	67	72	68	62	64	58	42	54
18	67	64	66	74	69	72	64	61	63	59	45	53
19	71	63	64	75	70	73	64	62	63	60	54	57
20	71	63	65	75	70	72	64	62	63	59	43	54
21	69	64	67	81	72	74	64	60	63	59	41	52
22	71	64	66	76	72	73	64	59	63	57	39	50
23	70	65	67	75	71	73	64	60	62	55	43	51
24	69	65	66	75	72	73	64	61	63	54	47	52
25	70	65	66	78	73	74	66	62	65	55	49	53
26	69	65	67	78	75	76	66	62	64	56	51	53
27	70	65	67	80	74	76	66	61	63	57	53	55
28	71	66	68	78	73	76	64	58	62	57	54	56
29	73	67	69	77	70	75	64	60	62	58	54	56
30	71	67	69	76	68	75	64	56	59	59	55	57
31	73	67	69	---	---	---	66	56	63	57	53	56

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	56	53	55	62	59	60	52	43	49	60	59	60
2	57	54	55	63	59	60	53	44	49	61	59	60
3	57	52	55	60	58	59	54	43	49	61	60	60
4	57	54	55	61	58	59	54	49	52	61	59	60
5	56	52	54	61	56	58	56	51	55	61	58	60
6	57	54	55	63	56	58	57	53	55	66	57	60
7	57	52	55	64	58	60	55	52	54	64	58	60
8	56	51	54	66	58	60	55	50	52	64	58	61
9	58	52	55	60	46	55	54	51	53	66	62	64
10	57	52	55	61	57	59	56	51	53	67	60	62
11	56	52	54	62	49	58	60	46	54	70	61	65
12	57	45	53	60	54	57	59	54	56	69	61	63
13	55	46	53	57	53	56	59	55	57	65	61	63
14	57	50	54	59	45	53	62	54	57	70	62	65
15	56	51	53	58	43	53	60	53	57	67	63	65
16	55	50	53	55	46	50	61	41	55	68	64	66
17	56	52	54	55	50	52	62	40	56	74	63	69
18	59	53	56	57	52	55	63	45	56	73	61	66
19	58	53	55	57	52	55	64	58	61	73	61	65
20	57	53	55	57	51	54	61	52	58	66	54	62
21	58	52	55	54	41	50	66	58	62	66	48	59
22	57	51	53	54	48	52	65	58	62	64	48	60
23	59	51	55	57	41	51	63	57	59	63	46	58
24	62	52	55	55	38	49	61	57	59	64	48	58
25	62	53	57	55	40	50	65	60	62	65	51	59
26	62	57	59	58	42	51	65	59	63	66	52	61
27	62	56	59	56	42	51	66	59	62	67	50	59
28	62	57	59	56	46	52	67	60	62	62	49	58
29	62	58	60	55	34	46	65	58	60	62	52	58
30	---	---	---	52	46	49	61	58	60	62	58	60
31	---	---	---	52	40	48	---	---	---	66	61	63

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	67	61	63	63	53	58	64	62	63	75	68	70
2	70	60	64	60	53	55	65	62	63	78	69	71
3	80	60	66	58	54	56	64	61	63	82	70	72
4	72	60	66	58	54	56	66	61	63	75	71	72
5	74	63	66	58	53	56	66	62	63	75	70	72
6	73	64	67	64	55	59	68	60	63	---	---	---
7	71	64	67	64	57	59	64	60	61	---	---	---
8	74	65	68	60	56	58	66	60	62	74	72	73
9	74	63	68	60	56	58	65	60	62	74	72	73
10	74	62	66	59	56	57	68	61	63	77	72	73
11	67	61	65	63	56	58	66	61	62	77	72	74
12	69	64	66	59	55	58	66	61	62	76	72	74
13	71	65	67	64	57	60	67	62	63	77	73	74
14	67	64	65	65	58	61	68	62	64	79	73	75
15	70	63	65	62	59	60	73	62	64	80	73	75
16	71	62	65	63	58	60	69	63	66	78	74	76
17	67	59	62	63	58	60	70	65	68	78	75	76
18	65	60	62	64	59	61	72	65	67	83	74	77
19	64	60	61	66	59	61	71	65	66	83	75	77
20	65	60	62	64	60	61	71	66	68	81	75	78
21	70	60	63	64	60	62	79	67	69	81	74	77
22	67	58	62	65	60	62	76	68	71	81	75	78
23	66	60	62	68	60	63	77	69	71	83	76	78
24	65	60	62	76	61	67	74	69	70	82	76	79
25	67	59	62	---	---	---	69	67	68	83	77	80
26	62	41	58	---	---	---	71	66	68	82	77	80
27	60	39	53	---	---	---	72	66	68	80	77	78
28	58	40	52	64	61	63	71	67	68	80	78	79
29	55	45	51	69	62	65	72	67	69	80	71	78
30	63	49	56	68	61	65	71	67	68	79	69	77
31	---	---	---	67	63	64	75	67	69	---	---	---
YEAR	83	34	62									

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.—Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.7	6.3		6.9	6.8		6.9	6.7		6.9	6.7	
2	6.9	6.3		6.8	6.7		6.9	6.7		6.9	6.7	
3	7.5	6.3		6.9	6.8		6.9	6.7		6.9	6.7	
4	6.9	6.4		6.9	6.8		6.9	6.7		6.9	6.8	
5	6.9	6.5		6.9	6.8		6.9	6.7		6.9	6.8	
6	6.9	6.6		6.8	6.6		6.9	6.7		7.0	6.7	
7	6.7	6.5		6.8	6.7		6.8	6.7		7.0	6.7	
8	6.7	6.6		6.9	6.7		6.8	6.7		6.8	6.7	
9	6.7	6.7		6.8	6.8		6.8	6.7		6.9	6.8	
10	6.9	6.6		6.8	6.7		6.8	6.7		6.8	6.7	
11	6.8	6.7		6.9	6.8		6.8	6.7		6.8	6.7	
12	6.8	6.7		6.9	6.7		6.8	6.7		6.8	6.8	
13	6.9	6.7		6.9	6.6		6.9	6.7		6.8	6.8	
14	6.8	6.8		6.8	6.6		6.9	6.7		6.8	6.8	
15	6.8	6.7		6.8	6.7		6.8	6.8		6.8	6.7	
16	6.8	6.7		6.8	6.7		6.9	6.7		6.8	6.7	
17	6.9	6.7		6.8	6.7		6.8	6.7		6.9	6.7	
18	7.1	6.7		6.9	6.7		6.8	6.8		6.8	6.7	
19	7.0	6.7		6.9	6.7		6.9	6.7		6.9	6.8	
20	6.8	6.6		6.9	6.7		6.9	6.7		6.9	6.5	
21	6.7	6.6		7.2	6.7		6.9	6.7		7.2	6.5	
22	7.3	6.6		6.8	6.7		7.0	6.7		6.8	6.4	
23	6.7	6.6		6.8	6.7		6.8	6.7		6.7	6.6	
24	6.7	6.7		6.8	6.7		6.8	6.7		6.7	6.6	
25	6.8	6.7		6.9	6.7		7.0	6.7		6.7	6.7	
26	6.8	6.7		6.8	6.7		7.0	6.7		6.7	6.7	
27	6.8	6.7		6.9	6.7		6.8	6.7		6.8	6.7	
28	6.9	6.7		6.8	6.7		6.8	6.8		6.8	6.7	
29	6.9	6.7		6.8	6.8		6.8	6.7		6.7	6.7	
30	6.9	6.7		6.8	6.8		6.9	6.8		6.7	6.7	
31	6.9	6.8		---	---		6.9	6.7		6.8	6.7	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	6.7		6.8	6.8		6.7	6.5		7.5	6.7	
2	6.8	6.7		6.9	6.8		6.7	6.4		7.6	6.9	
3	6.8	6.7		6.8	6.8		6.8	6.4		7.6	6.8	
4	6.8	6.7		6.9	6.8		6.7	6.6		7.9	6.7	
5	6.8	6.7		6.9	6.8		7.0	6.7		8.1	6.7	
6	6.8	6.7		6.9	6.8		6.8	6.8		7.3	6.7	
7	6.8	6.7		6.8	6.8		6.7	6.6		8.5	6.6	
8	6.9	6.8		6.8	6.8		6.7	6.6		7.9	6.6	
9	6.9	6.8		6.8	6.3		6.7	6.6		8.3	6.8	
10	6.8	6.8		6.8	6.8		6.7	6.6		8.2	6.7	
11	6.8	6.7		6.9	6.3		7.0	6.6		6.9	6.6	
12	6.8	6.7		6.8	6.4		7.3	6.6		7.3	6.6	
13	6.8	6.7		6.8	6.6		7.7	7.0		7.3	6.7	
14	6.8	6.7		6.8	6.5		7.0	6.6		7.1	6.7	
15	6.8	6.7		6.8	6.5		6.8	6.6		7.9	6.7	
16	6.8	6.7		6.6	6.5		7.2	6.4		7.9	6.7	
17	6.8	6.8		6.7	6.6		7.3	6.4		7.3	6.7	
18	6.8	6.8		6.8	6.6		7.6	6.4		7.0	6.6	
19	6.8	6.8		6.8	6.6		8.3	6.9		7.3	6.6	
20	6.9	6.8		6.8	6.5		8.0	6.6		7.1	6.5	
21	6.9	6.8		6.7	6.4		8.1	7.1		---	---	
22	6.8	6.8		6.8	6.5		7.8	6.8		---	---	
23	6.8	6.8		6.8	6.3		7.3	6.6		---	---	
24	6.8	6.8		6.8	6.3		6.8	6.6		---	---	
25	6.8	6.6		6.8	6.3		7.0	6.6		---	---	
26	6.9	6.8		6.9	6.5		6.8	6.6		---	---	
27	6.8	6.7		6.9	6.4		6.7	6.6		8.5	6.5	
28	6.9	6.7		6.8	6.5		7.0	6.6		8.0	6.5	
29	6.9	6.8		6.8	6.3		6.8	6.6		8.0	6.6	
30	---	---		6.7	6.6		7.1	6.7		8.0	6.6	
31	---	---		6.7	6.4		---	---		8.7	6.6	

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.1	6.6		8.4	6.5		6.9	6.3		6.8	6.4	
2	8.6	6.6		8.0	6.6		6.8	6.4		6.8	6.4	
3	8.4	6.6		7.5	6.5		6.5	6.3		7.3	6.4	
4	8.8	6.6		7.7	6.5		6.5	6.3		7.1	6.4	
5	8.7	6.7		7.4	6.5		7.6	6.3		6.8	6.4	
6	6.8	6.6		8.3	6.6		7.5	6.4		---	---	
7	7.4	6.7		8.2	6.6		6.6	6.4		---	---	
8	8.1	6.6		7.0	6.5		6.7	6.4		7.2	6.5	
9	8.1	6.8		7.4	6.5		7.1	6.4		6.5	6.4	
10	8.2	6.8		7.6	6.5		6.8	6.4		6.6	6.4	
11	8.5	6.7		7.8	6.5		6.5	6.3		6.5	6.4	
12	8.5	6.6		7.6	6.5		7.5	6.4		6.8	6.4	
13	8.6	6.9		8.0	6.4		7.1	6.4		6.9	6.4	
14	8.6	6.8		8.1	6.4		6.7	6.3		6.8	6.4	
15	8.5	6.8		7.5	6.4		6.6	6.3		7.2	6.4	
16	8.2	6.7		6.6	6.4		7.2	6.4		7.1	6.4	
17	8.3	6.7		6.8	6.3		6.5	6.4		6.6	6.4	
18	8.2	6.7		7.4	6.4		6.6	6.4		6.6	6.4	
19	7.9	6.8		7.1	6.4		6.6	6.4		6.6	6.4	
20	8.5	6.7		6.9	6.3		7.2	6.4		6.5	6.4	
21	8.6	6.8		7.2	6.3		7.2	6.5		6.6	6.4	
22	8.5	6.8		6.4	6.3		6.8	6.5		6.7	6.4	
23	7.0	6.7		7.5	6.3		7.0	6.5		6.9	6.4	
24	7.1	6.7		7.8	6.4		6.6	6.4		6.8	6.4	
25	7.4	6.7		---	---		6.7	6.3		6.6	6.4	
26	7.8	6.4		---	---		6.7	6.4		6.8	6.4	
27	7.0	6.4		---	---		6.6	6.4		6.6	6.5	
28	6.8	6.5		7.9	6.4		6.6	6.4		6.6	6.5	
29	6.6	6.5		8.1	6.4		6.7	6.4		6.6	6.5	
30	8.4	6.5		7.9	6.5		6.6	6.4		6.6	6.5	
31	---	---		8.1	6.4		7.0	6.4		---	---	
YEAR	8.8	6.3										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	21.5	23.5	19.5	19.0	19.0	14.5	10.0	13.5	10.0	7.0	9.0
2	23.5	20.5	23.0	19.0	19.0	19.0	13.5	8.5	12.0	9.5	7.0	9.0
3	24.0	21.0	23.0	19.5	18.5	19.0	13.5	8.0	12.0	10.5	8.0	9.5
4	23.5	20.0	22.0	19.0	18.5	18.5	13.0	8.5	12.0	9.0	8.0	9.0
5	23.0	20.5	22.5	18.5	18.0	18.5	13.0	6.5	11.0	9.0	7.0	8.5
6	22.5	21.0	22.5	18.5	13.0	17.0	16.5	6.5	11.5	9.0	5.5	7.5
7	22.5	21.0	22.0	18.5	13.5	17.0	12.5	9.0	12.0	8.5	5.0	8.0
8	22.0	20.5	21.5	18.0	13.5	17.0	13.0	11.5	12.5	8.5	6.5	8.0
9	22.0	18.0	21.0	17.5	12.5	16.5	12.5	10.0	12.0	8.5	6.5	8.0
10	22.0	19.5	21.5	18.0	13.5	16.5	12.0	8.5	11.5	8.5	6.0	8.0
11	21.5	21.0	21.0	18.0	14.0	16.5	13.0	9.0	11.5	8.5	7.0	8.0
12	21.0	19.5	20.5	17.5	15.5	17.0	13.0	9.0	11.5	8.5	7.5	8.0
13	23.0	18.0	21.0	17.0	14.0	16.5	12.0	9.0	11.5	8.5	7.0	8.0
14	21.0	19.0	20.5	16.5	13.5	16.0	12.5	10.5	12.0	8.0	6.0	7.5
15	21.0	17.0	20.0	16.5	13.0	15.5	12.0	10.5	11.5	8.5	6.0	7.5
16	22.5	16.5	20.0	16.5	12.0	15.5	11.5	10.0	11.0	8.5	6.5	7.5
17	22.0	16.5	20.0	16.0	11.5	15.0	11.0	9.5	11.0	8.5	7.5	8.0
18	22.5	18.5	20.5	16.0	11.0	14.5	11.0	10.0	10.5	8.5	8.0	8.0
19	22.0	18.5	20.5	16.5	13.5	15.5	10.5	8.5	10.0	9.0	8.5	8.5
20	21.0	19.0	20.0	16.0	12.5	15.0	10.5	8.0	10.0	9.5	8.5	8.5
21	21.5	18.5	20.0	16.5	12.5	15.5	10.5	8.0	10.0	10.0	8.5	9.0
22	22.5	19.5	20.5	16.5	12.0	14.5	10.5	6.5	9.5	8.5	8.0	8.5
23	20.5	19.5	20.0	16.0	14.0	15.0	10.5	10.0	10.5	8.5	8.0	8.0
24	20.5	19.0	20.0	16.0	14.5	15.5	10.5	8.5	9.5	9.0	8.0	8.0
25	21.0	17.5	19.5	16.5	14.5	15.5	10.0	8.5	9.5	8.0	8.0	8.0
26	20.5	17.5	19.5	16.0	14.5	15.5	10.5	8.5	9.5	8.5	8.0	8.0
27	20.5	17.0	19.0	16.5	15.0	15.5	11.0	9.5	10.0	8.0	8.0	8.0
28	19.5	15.0	18.5	15.5	14.5	15.0	11.0	9.0	10.0	8.5	8.0	8.0
29	20.5	14.5	18.5	15.0	13.5	14.5	10.0	9.0	10.0	8.5	8.0	8.0
30	20.0	17.5	19.0	14.5	11.5	14.0	10.0	8.0	8.5	8.0	8.0	8.0
31	20.0	16.5	19.0	---	---	---	10.0	7.5	9.5	8.0	7.5	7.5

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.5	6.5	7.5	8.0	7.0	7.5	12.0	11.0	11.5	18.5	16.5	18.0
2	8.0	5.5	7.0	7.0	6.5	7.0	15.0	11.0	12.0	19.0	17.5	18.0
3	8.5	4.5	7.0	7.5	5.5	6.5	15.0	11.5	13.0	18.5	18.0	18.0
4	7.0	4.5	6.5	7.0	5.0	6.5	12.0	10.5	11.5	19.0	17.5	18.0
5	7.0	4.5	6.5	6.5	5.5	6.5	14.0	11.5	13.0	19.0	16.5	18.0
6	6.5	3.5	6.0	8.0	6.0	7.0	13.5	13.0	13.0	19.0	16.5	18.0
7	7.0	4.5	6.5	7.5	6.5	7.0	13.5	12.5	13.0	20.5	16.0	18.0
8	7.0	3.5	6.0	9.0	7.0	7.5	13.0	11.0	12.5	20.0	16.5	18.5
9	6.5	4.5	6.0	10.5	7.5	8.5	12.5	11.0	12.0	22.0	18.5	20.0
10	6.5	4.5	5.0	9.5	7.5	8.0	16.5	11.5	13.5	19.5	17.0	19.0
11	6.5	5.0	6.0	12.5	7.5	9.5	16.5	13.0	14.0	20.0	17.0	18.5
12	7.0	4.0	5.5	12.5	8.5	10.0	14.5	11.5	13.5	20.5	17.0	18.0
13	6.5	4.5	6.0	9.5	8.5	8.5	15.5	14.0	15.0	20.5	17.0	19.5
14	7.5	5.0	6.0	8.5	7.0	8.0	14.5	11.5	12.5	21.5	18.0	20.0
15	6.5	5.5	6.0	9.0	7.5	8.0	15.5	11.0	13.0	22.5	19.0	21.0
16	6.5	6.0	6.0	9.5	8.0	9.0	14.5	12.5	13.5	21.5	18.5	20.5
17	6.5	6.0	6.0	10.0	8.0	8.5	15.0	13.0	14.0	21.5	18.5	20.0
18	7.0	6.0	6.5	12.0	8.5	10.0	17.5	13.5	14.5	20.5	18.5	19.5
19	8.0	6.0	6.5	12.5	9.0	10.0	17.5	14.0	15.0	21.5	18.5	20.5
20	7.0	6.0	6.5	12.0	9.0	10.0	16.5	14.0	15.5	21.5	19.5	20.5
21	7.0	6.5	6.5	12.5	8.0	9.5	18.0	15.5	17.0	21.5	19.0	20.5
22	7.5	6.5	6.5	10.5	9.0	9.5	18.0	15.5	17.0	21.5	19.5	20.5
23	8.0	6.5	7.0	11.5	9.5	10.0	17.0	13.0	15.0	21.5	19.5	20.5
24	10.0	7.0	7.5	12.0	9.5	10.5	17.5	13.5	15.5	22.5	19.5	21.0
25	10.0	6.5	7.5	12.0	10.5	11.0	17.5	15.0	16.5	23.0	20.0	22.0
26	9.5	7.0	8.0	14.0	11.0	12.5	19.0	15.5	17.0	24.0	20.0	22.5
27	8.5	7.0	7.5	13.0	11.5	12.5	20.0	14.5	16.5	24.5	19.5	21.5
28	8.5	7.5	7.5	13.5	11.5	12.5	18.0	15.5	17.0	22.0	20.0	21.0
29	9.0	7.5	8.0	12.0	11.5	11.5	19.0	15.0	16.5	22.5	19.5	21.0
30	---	---	---	11.5	11.5	11.5	18.5	16.0	17.5	22.5	20.0	21.5
31	---	---	---	12.0	10.5	11.0	---	---	---	23.5	20.5	22.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.5	20.0	21.5	28.5	24.0	25.5	29.0	27.5	28.5	29.0	27.0	28.0
2	25.0	19.5	22.0	26.5	23.5	24.5	29.5	28.0	28.5	29.0	27.5	28.0
3	24.5	19.5	21.5	26.5	23.5	25.0	29.5	28.0	28.5	29.0	27.5	28.0
4	28.0	21.0	24.5	26.5	24.0	25.5	29.0	27.5	28.0	29.0	27.5	28.0
5	28.0	21.5	24.5	27.5	24.0	25.5	30.5	28.0	28.5	29.0	27.5	28.0
6	25.5	21.0	22.5	30.0	24.5	27.5	31.0	28.0	29.0	---	---	---
7	24.5	22.0	23.0	31.0	26.0	27.5	30.0	28.0	29.0	---	---	---
8	25.5	21.5	23.5	27.5	25.0	26.5	31.0	28.0	28.5	29.5	28.5	29.0
9	25.0	22.5	24.5	27.5	25.0	26.0	29.5	28.0	28.5	28.5	27.5	28.0
10	25.5	22.0	24.0	27.5	25.0	26.0	29.0	27.5	28.5	28.5	27.5	28.0
11	25.5	22.0	24.0	31.5	25.5	27.0	29.0	27.5	28.0	28.0	27.0	27.5
12	26.0	22.0	24.5	29.0	25.5	27.0	29.5	28.0	28.5	29.0	27.0	28.0
13	26.5	23.5	25.0	32.5	26.0	28.5	29.0	28.0	28.5	29.0	27.5	28.0
14	25.5	22.5	24.0	30.5	26.0	28.5	29.0	27.5	28.5	29.0	27.0	28.0
15	26.5	22.5	23.5	29.5	26.5	28.0	29.0	28.0	28.0	29.0	27.0	28.0
16	25.0	22.5	23.5	28.5	26.0	27.5	30.0	28.0	28.5	29.0	27.0	28.0
17	25.0	23.0	24.0	28.5	26.5	27.5	28.5	28.0	28.5	28.0	27.5	28.0
18	24.5	23.0	24.0	29.5	26.5	28.0	28.5	28.0	28.0	28.0	26.5	27.5
19	24.5	23.0	24.0	29.0	27.0	28.0	29.0	28.0	28.0	28.0	26.5	27.5
20	28.0	22.5	24.5	28.5	27.0	27.5	30.0	28.0	28.5	27.5	26.5	27.5
21	25.5	23.5	24.5	29.5	26.5	28.0	30.5	28.5	29.0	28.0	26.5	27.5
22	25.0	23.0	24.0	28.5	27.0	27.5	30.5	28.5	29.5	28.5	27.0	27.5
23	24.0	23.0	23.5	28.5	27.0	28.0	30.0	28.5	29.0	29.0	27.5	28.0
24	24.0	23.0	23.5	31.5	27.5	28.5	28.5	27.0	28.0	28.5	27.5	28.0
25	24.5	23.0	24.0	---	---	---	28.5	28.0	28.0	28.0	27.5	28.0
26	25.0	20.5	23.5	---	---	---	29.0	27.0	28.0	28.5	27.0	28.0
27	24.0	20.0	22.5	---	---	---	28.5	27.5	28.0	27.5	25.5	27.0
28	24.0	22.0	23.0	30.0	28.0	29.0	28.5	27.5	28.0	27.0	26.0	26.5
29	24.0	22.5	23.5	31.0	27.5	29.0	29.0	27.5	28.0	25.5	22.5	25.5
30	27.0	23.0	25.0	31.5	28.0	29.0	28.5	27.0	27.5	25.5	21.5	24.5
31	---	---	---	33.0	28.0	29.5	29.0	27.0	28.0	---	---	---
YEAR	33.0	3.5	17.5									

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.8	7.3	8.1	7.9	7.6	7.7	10.2	8.1	8.6	10.2	8.9	9.2
2	8.3	6.5	7.2	7.7	7.5	7.6	10.8	8.3	9.1	10.2	8.9	9.2
3	8.0	7.0	7.4	7.9	7.6	7.8	10.4	8.4	8.9	10.6	8.9	9.3
4	8.1	7.1	7.7	7.8	7.6	7.7	10.7	8.8	9.2	10.4	9.1	9.5
5	7.9	7.0	7.3	8.0	7.6	7.7	11.5	8.6	9.4	10.3	9.2	9.5
6	7.4	6.7	7.1	9.6	7.6	8.1	10.8	8.5	9.9	11.0	9.2	9.9
7	7.2	6.6	6.8	9.6	7.5	8.1	9.2	8.1	8.5	11.1	9.1	9.6
8	7.5	7.0	7.2	9.4	7.5	8.0	8.6	8.1	8.4	10.3	9.2	9.5
9	8.4	6.9	7.3	9.6	7.6	8.1	9.0	8.2	8.5	10.9	9.1	9.5
10	7.8	7.0	7.3	9.5	7.6	8.2	9.5	8.3	8.6	11.0	9.1	9.6
11	7.3	7.1	7.2	8.9	7.6	8.1	9.4	8.2	8.5	10.4	9.1	9.5
12	7.7	7.1	7.2	8.1	7.5	7.7	9.7	8.4	8.6	9.6	9.2	9.3
13	8.2	7.1	7.5	8.6	7.6	7.8	9.8	8.2	8.7	9.8	9.2	9.4
14	7.8	7.2	7.4	8.9	7.8	8.1	9.5	8.4	8.9	10.1	9.1	9.4
15	8.6	7.1	7.4	9.1	7.7	8.1	9.3	8.4	8.7	10.6	9.3	9.7
16	9.1	7.2	7.7	9.1	7.8	8.1	9.3	8.5	8.7	10.7	9.3	9.7
17	9.1	7.4	7.8	9.4	7.7	8.2	9.2	8.5	8.9	10.4	9.3	9.7
18	8.1	7.2	7.7	9.6	7.6	8.2	9.2	8.6	8.8	10.1	9.3	9.6
19	8.4	7.3	7.7	8.6	7.6	8.1	9.9	8.6	9.0	9.6	9.3	9.5
20	8.0	7.1	7.5	9.7	7.9	8.4	10.2	8.7	9.0	9.9	9.3	9.5
21	8.4	7.1	7.5	9.5	8.0	8.6	10.0	8.7	9.1	10.5	9.6	9.9
22	8.1	7.0	7.4	9.7	8.0	8.6	10.8	8.8	9.4	9.8	9.2	9.4
23	7.7	6.8	7.2	8.8	8.1	8.3	9.0	8.7	8.9	9.7	9.2	9.3
24	7.8	6.9	7.1	8.4	8.0	8.1	9.9	8.8	9.1	9.5	9.0	9.3
25	8.2	7.0	7.3	8.8	8.1	8.4	10.5	8.9	9.5	9.7	9.0	9.3
26	8.3	7.0	7.3	8.5	8.0	8.2	9.9	8.9	9.2	9.1	9.0	9.1
27	7.9	6.9	7.2	8.7	8.2	8.4	9.3	8.9	9.0	9.3	9.1	9.2
28	8.4	6.7	7.2	8.7	8.3	8.4	9.7	9.0	9.2	9.3	9.1	9.2
29	8.6	6.8	7.2	9.5	8.5	8.7	9.3	8.9	9.1	9.9	9.2	9.6
30	7.8	6.9	7.4	9.3	8.3	8.6	10.0	9.0	9.6	10.4	9.5	9.7
31	8.6	7.5	7.9	---	---	---	10.2	8.9	9.3	10.5	9.6	9.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.1	9.6	9.7	10.3	9.8	10.0	8.0	7.1	7.5	9.4	8.3	9.0
2	10.4	9.6	9.8	10.3	9.5	9.7	8.3	6.6	7.1	9.5	8.7	8.9
3	11.3	9.6	10.1	10.2	9.5	9.7	7.7	6.4	7.3	9.4	8.4	8.8
4	10.9	9.7	10.0	10.3	9.5	9.8	8.1	7.3	7.6	9.5	7.9	8.5
5	11.0	9.7	10.0	10.8	9.7	10.1	7.6	6.9	7.1	9.5	7.5	8.3
6	11.4	9.8	10.3	10.5	9.8	10.1	7.3	6.8	7.0	8.6	7.4	8.0
7	11.0	9.8	10.2	10.5	9.8	10.1	7.1	6.4	6.8	9.8	7.8	8.5
8	11.9	9.8	10.4	10.2	9.8	10.0	9.8	6.9	8.1	8.5	7.4	7.9
9	11.1	9.8	10.2	10.0	8.8	9.6	9.3	8.9	9.2	8.9	7.4	8.2
10	10.8	10.0	10.5	10.8	9.8	10.0	9.1	7.9	8.7	8.7	7.6	8.2
11	10.6	9.9	10.2	9.8	8.0	9.2	9.6	8.2	8.7	7.7	6.8	7.1
12	11.2	10.0	10.4	9.4	8.2	8.9	9.5	8.6	8.9	7.1	6.6	6.9
13	11.0	10.1	10.3	9.5	8.9	9.3	9.9	9.4	9.6	7.2	6.5	6.9
14	11.0	10.0	10.3	10.0	9.4	9.8	9.5	8.7	8.9	6.8	6.2	6.6
15	11.1	10.2	10.5	10.1	9.6	9.8	8.9	8.1	8.5	7.2	6.1	6.8
16	11.0	10.4	10.7	10.1	9.6	9.8	9.3	8.8	9.0	7.2	6.3	6.9
17	10.6	10.3	10.5	9.9	9.6	9.8	9.3	8.9	9.1	6.9	6.2	6.5
18	10.9	10.1	10.2	10.2	9.3	9.8	9.6	8.5	9.0	6.9	6.1	6.5
19	10.7	10.1	10.3	10.6	9.1	10.0	10.4	9.0	9.4	7.1	6.0	6.6
20	10.9	10.3	10.5	10.0	8.9	9.7	9.7	8.3	9.1	10.6	6.1	7.4
21	11.0	10.2	10.5	9.2	8.0	8.9	9.6	9.0	9.3	8.9	7.0	7.7
22	10.8	10.3	10.5	9.2	8.6	8.9	9.2	8.3	8.9	8.8	7.1	7.7
23	10.7	10.3	10.4	9.4	8.5	9.0	8.7	7.8	8.1	9.2	7.2	7.8
24	10.4	9.9	10.1	8.3	7.6	8.1	7.8	7.1	7.4	8.3	6.6	7.4
25	10.3	9.8	10.0	8.2	6.7	7.6	7.5	6.7	7.1	8.8	6.6	7.9
26	9.9	9.5	9.7	8.9	6.5	7.2	7.0	6.3	6.7	9.7	7.2	8.4
27	10.3	9.5	9.8	8.7	6.9	8.0	6.7	6.0	6.4	10.3	7.4	8.8
28	10.2	9.8	10.0	7.3	6.3	6.8	6.8	6.2	6.7	9.3	7.6	8.3
29	10.2	9.9	10.1	9.2	6.6	8.2	8.4	6.0	7.5	9.4	7.4	8.1
30	---	---	---	9.3	8.0	8.5	8.9	7.8	8.5	9.1	7.2	8.2
31	---	---	---	8.5	7.4	7.8	---	---	---	10.5	6.8	8.4

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.8	6.5	7.3	8.7	5.6	7.3	3.9	1.9	3.0	5.7	4.1	4.9
2	8.4	6.2	6.8	8.2	5.6	6.4	2.8	1.6	2.3	5.5	3.7	4.2
3	7.3	5.7	6.2	7.9	4.9	6.1	2.0	1.1	1.5	6.7	3.5	4.7
4	7.2	5.4	6.4	7.6	5.1	6.3	3.7	1.5	2.3	6.2	3.8	4.9
5	6.4	5.0	5.7	7.1	4.6	5.7	3.8	1.7	2.4	4.5	2.7	3.6
6	4.9	4.3	4.5	7.8	5.1	6.4	9.1	1.3	4.9	---	---	---
7	6.5	4.6	5.3	7.1	5.0	6.0	7.2	4.7	5.9	---	---	---
8	7.3	5.5	6.1	7.0	3.9	5.6	6.2	4.1	5.1	---	---	---
9	7.3	5.7	6.5	7.3	4.5	5.7	8.3	4.5	5.9	---	---	---
10	9.0	6.0	7.4	7.6	4.6	5.7	8.1	5.2	6.6	5.3	4.4	4.9
11	9.1	6.8	7.8	7.3	4.5	5.9	6.0	5.0	5.3	5.1	4.1	4.5
12	8.8	7.0	8.0	8.1	5.0	6.1	7.3	4.1	5.5	4.8	3.7	4.2
13	9.3	7.2	8.2	7.9	4.2	6.1	6.5	4.1	5.2	4.7	3.8	4.1
14	9.0	6.5	7.6	7.2	4.0	5.6	5.5	2.9	4.3	4.7	3.8	4.1
15	8.4	5.9	6.8	6.8	3.3	5.0	4.4	2.7	3.3	6.4	4.1	4.9
16	7.7	5.2	6.1	6.2	3.5	5.1	5.0	2.7	3.6	6.3	4.5	5.4
17	7.3	5.2	6.5	7.3	4.3	5.4	4.3	2.8	3.6	4.6	3.8	4.1
18	7.2	5.0	6.3	7.9	5.2	6.3	5.0	3.7	4.2	3.9	3.3	3.6
19	8.3	5.5	7.1	7.6	4.9	6.1	4.7	3.0	3.8	4.9	3.5	4.3
20	9.3	6.0	7.6	6.9	4.1	5.3	5.3	3.0	3.9	5.0	4.1	4.7
21	9.5	6.7	8.0	7.1	3.8	5.3	4.3	2.7	3.3	4.6	3.6	4.1
22	9.2	6.2	7.3	4.8	3.7	4.2	3.5	2.0	2.9	4.2	3.3	3.7
23	7.0	5.5	6.3	6.8	3.5	5.1	3.9	2.5	3.1	4.5	3.2	3.5
24	7.8	5.7	6.8	7.2	4.1	5.6	3.6	2.6	3.1	4.5	3.6	3.9
25	8.0	6.6	7.5	---	---	---	6.0	2.3	4.1	3.8	3.3	3.6
26	8.0	6.8	7.3	---	---	---	6.0	3.9	4.9	4.5	3.3	3.9
27	8.4	6.2	7.1	---	---	---	5.0	3.4	4.5	4.6	3.8	4.1
28	7.6	5.8	6.4	8.5	3.6	6.4	6.2	3.9	4.8	4.2	4.0	4.1
29	6.9	5.7	6.2	5.6	2.9	4.2	5.7	3.6	4.5	4.8	4.3	4.4
30	8.8	5.6	7.1	5.3	2.8	3.8	5.4	3.8	4.4	5.3	4.5	4.7
31	---	---	---	4.4	1.8	2.8	6.8	4.3	5.4	---	---	---
YEAR	11.9	1.1	7.6									

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.

LOCATION.--Lat 34°15'38", long 81°19'50", Fairfield County, Hydrologic Unit 03050106, on left bank 100 ft (30 m) below dam, 0.3 mi (0.5 km) upstream from Mayo Creek, 2.5 mi (4.0 km) west of Jenkinsville, and at mile 201.4 (324 km).

DRAINAGE AREA.--4,750 mi^2 (10,340 km^2), approximately.

PERIOD OF RECORD.--Water year 1974 to current year.

PERIOD OF DAILY RECORDS.--
SPECIFIC CONDUCTANCE: October 1973 to current year.
pH: October 1973 to current year.
WATER TEMPERATURE: October 1973 to current year.
DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 121 micromhos Oct. 25, 1979; minimum, 30 micromhos Mar. 30, 1980.
pH: Maximum, 8.3 units July 24, 1977; minimum, 5.9 units Oct. 10, 1976.
WATER TEMPERATURE: Maximum, 32.5°C Aug. 25, 1975; July 25, 1976; July 11, 16, 1977; minimum, 0.5°C Jan. 19-21, 1977.
DISSOLVED OXYGEN: Maximum, 13.9 mg/l Jan. 21, 22, 1976; minimum, 3.0 mg/l Aug. 13, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 85 micromhos Oct. 31; minimum, 30 micromhos Mar. 30.
pH: Maximum, 7.1 units Oct. 5, several days Dec., Jan.; minimum, 6.2 units Mar. 9-10, 30-31.
WATER TEMPERATURE: Maximum, 31.0°C several days July, Aug.; minimum, 4.0°C Feb. 4, 6.
DISSOLVED OXYGEN: Maximum, 13.8 mg/l Mar. 4-5, 7-8, 13; minimum, 3.3 mg/l Aug. 15.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	62	48	58	84	79	81	70	68	69	72	71	72
2	55	39	47	80	74	76	70	68	69	73	72	73
3	55	47	54	76	74	75	72	70	72	73	72	73
4	65	48	54	77	62	69	73	72	73	73	72	73
5	63	55	59	70	60	64	74	68	71	73	72	73
6	58	55	57	69	57	61	69	60	68	72	71	72
7	59	57	58	64	56	60	69	64	68	74	72	74
8	65	59	61	66	62	64	73	66	70	74	70	72
9	65	62	63	65	58	62	75	71	73	75	69	73
10	64	62	63	65	61	63	75	67	71	73	70	72
11	65	62	64	68	60	64	69	58	65	72	70	71
12	67	65	66	66	56	60	71	54	62	74	63	72
13	69	66	67	66	52	58	73	71	72	75	70	74
14	71	67	68	72	63	67	73	70	72	73	50	70
15	71	67	68	71	68	70	75	72	73	72	69	71
16	70	67	68	70	68	69	78	72	74	70	61	65
17	72	69	70	72	69	70	78	73	76	67	60	63
18	70	68	70	76	72	74	73	71	72	67	54	63
19	70	68	69	79	72	75	74	72	73	70	54	62
20	72	68	69	75	72	73	75	72	73	79	71	75
21	79	71	73	75	73	74	74	72	73	69	58	63
22	80	71	76	77	73	75	74	72	73	68	57	62
23	73	69	71	77	75	76	77	75	75	67	60	64
24	74	70	72	78	73	75	79	77	78	67	61	64
25	75	69	71	78	73	75	79	74	77	68	64	66
26	76	72	74	79	75	77	76	71	74	67	66	66
27	75	72	73	75	73	74	73	69	72	69	67	68
28	76	72	74	75	70	74	73	68	72	70	69	69
29	80	73	78	73	68	71	73	70	72	70	69	70
30	82	73	77	72	66	70	70	68	69	71	70	70
31	85	75	80	---	---	---	72	68	70	71	69	70

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	73	70	71	66	64	64	43	34	36	60	58	59
2	75	70	72	66	63	64	46	37	41	63	60	62
3	77	72	74	68	63	65	42	39	41	66	63	64
4	77	71	74	67	64	65	39	29	35	67	64	65
5	75	71	73	66	64	65	50	30	41	66	61	64
6	77	71	73	67	65	65	52	49	51	66	61	63
7	74	71	72	67	65	66	53	50	51	65	62	63
8	74	72	73	66	52	63	54	51	53	66	63	64
9	77	72	74	51	46	47	55	48	53	67	64	65
10	77	72	74	63	46	53	55	48	51	68	64	66
11	72	69	71	62	50	55	49	44	46	70	67	68
12	72	68	71	61	53	57	48	45	47	71	67	69
13	72	69	70	62	57	61	50	48	49	68	65	66
14	72	70	71	60	50	54	53	49	51	70	65	68
15	71	70	71	57	49	52	52	42	47	67	63	65
16	71	68	70	55	51	54	44	34	36	65	64	65
17	75	72	73	59	54	57	50	37	41	69	64	66
18	77	70	74	61	57	59	48	43	45	73	66	68
19	72	71	71	58	52	55	48	45	47	70	65	67
20	72	68	71	56	50	53	50	49	49	65	55	62
21	74	71	72	51	41	46	51	50	50	55	51	54
22	75	72	73	42	33	37	51	50	50	56	46	50
23	80	72	74	39	30	33	56	51	52	59	47	52
24	82	79	80	45	30	37	57	53	55	54	50	52
25	83	62	73	33	22	27	57	55	56	54	46	50
26	66	63	64	41	23	36	59	56	57	47	45	45
27	65	63	64	33	29	31	62	59	60	56	46	49
28	66	63	64	50	28	41	62	58	60	59	51	54
29	67	64	66	35	18	26	62	59	61	57	52	55
30	---	---	---	31	16	24	60	58	59	61	58	59
31	---	---	---	35	22	28	---	---	---	64	61	62

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	64	63	63	59	54	57	65	64	65	76	69	71
2	64	62	63	60	56	58	66	64	65	80	71	73
3	65	62	63	60	58	59	66	64	65	73	70	72
4	63	60	62	61	57	60	67	64	65	74	69	71
5	61	60	61	60	56	58	68	65	65	72	69	70
6	62	60	61	61	59	60	67	65	65	71	69	70
7	66	55	62	62	60	61	66	63	65	75	69	71
8	66	62	63	63	59	61	65	64	65	71	69	70
9	69	62	65	61	58	60	66	64	65	72	69	70
10	70	64	67	62	59	60	69	65	66	74	69	70
11	67	62	64	62	60	61	68	65	66	78	70	71
12	68	64	66	62	61	62	68	66	67	74	69	71
13	68	62	65	62	61	62	68	65	66	72	70	71
14	68	63	66	74	62	65	67	65	66	71	68	70
15	68	63	65	65	61	63	70	66	67	72	66	70
16	69	63	66	67	62	64	70	67	68	73	69	72
17	67	63	64	65	63	63	69	67	68	73	68	70
18	72	62	66	64	62	63	78	66	70	74	70	71
19	74	70	72	65	63	63	71	69	70	77	71	73
20	72	64	70	66	62	63	72	69	69	79	73	74
21	70	63	66	66	63	64	74	68	69	82	74	76
22	72	65	69	67	64	65	73	67	70	77	74	75
23	71	65	67	68	63	65	77	70	72	75	73	74
24	68	65	66	71	65	67	82	74	80	77	73	74
25	69	64	66	71	65	67	82	70	78	76	73	74
26	66	48	58	72	64	67	75	69	71	75	70	72
27	59	44	50	69	66	67	76	69	70	75	71	72
28	59	46	52	69	67	68	72	69	70	75	73	74
29	60	51	56	69	64	66	72	69	70	73	60	68
30	57	51	54	70	64	65	71	69	69	65	56	60
31	---	---	---	66	64	65	70	68	69	---	---	---
YEAR	85	16	64									

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.7	6.5		6.9	6.8		7.0	6.9		6.9	6.8	
2	6.7	6.3		6.9	6.8		7.0	6.9		6.9	6.8	
3	6.9	6.4		6.8	6.8		7.0	6.9		7.0	6.8	
4	7.0	6.7		6.8	6.6		7.0	6.8		7.1	7.0	
5	7.1	6.9		6.9	6.5		7.1	6.9		7.1	7.0	
6	6.9	6.7		6.9	6.7		7.1	7.0		7.1	7.0	
7	6.8	6.7		6.9	6.7		7.1	6.8		7.0	7.0	
8	6.8	6.7		6.9	6.8		7.1	6.3		7.1	6.8	
9	6.9	6.7		6.9	6.7		7.1	6.9		7.1	6.6	
10	6.8	6.7		6.9	6.8		7.1	6.8		7.1	7.0	
11	5.9	6.7		6.8	6.7		7.0	6.7		7.1	6.7	
12	6.8	6.6		6.8	6.6		6.9	6.5		7.0	6.9	
13	6.7	6.6		6.8	6.6		7.0	6.8		7.0	6.9	
14	6.7	6.6		6.9	6.7		6.9	6.8		7.0	6.6	
15	6.7	6.6		6.9	6.8		7.0	6.8		7.0	6.9	
16	6.9	6.6		6.9	6.8		6.9	6.8		7.0	6.3	
17	6.9	6.6		6.9	6.8		7.0	6.9		7.0	6.9	
18	6.8	6.7		6.8	6.8		6.9	6.9		6.9	6.4	
19	6.8	6.7		6.8	6.7		6.9	6.8		6.8	6.5	
20	6.8	6.7		6.9	6.7		7.0	6.8		---	---	
21	6.7	6.6		6.9	6.8		7.1	6.9		7.1	6.9	
22	6.7	6.6		6.9	6.8		7.0	6.9		7.1	6.8	
23	6.9	6.7		7.0	6.9		7.0	6.9		7.0	6.9	
24	6.8	6.7		7.0	6.9		7.1	6.9		7.0	6.9	
25	6.8	6.7		7.0	6.8		7.1	7.0		7.0	6.9	
26	6.8	6.7		7.0	6.8		7.0	6.9		7.0	7.0	
27	6.8	6.6		6.9	6.8		7.0	6.8		7.0	7.0	
28	6.9	6.7		6.9	6.9		6.9	6.8		7.0	6.9	
29	6.9	6.7		7.0	6.8		6.9	6.8		7.0	6.9	
30	7.0	6.7		7.0	6.9		7.0	6.9		7.0	6.9	
31	6.9	6.7		---	---		7.0	6.8		7.0	6.9	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.0	6.9		6.8	6.7		6.5	6.4		6.9	6.8	
2	7.0	6.9		6.7	6.6		6.6	6.3		7.0	6.8	
3	7.1	6.9		6.7	6.6		6.5	6.4		7.0	6.8	
4	7.1	6.9		6.7	6.6		6.6	6.5		7.0	6.8	
5	7.0	6.9		6.7	6.7		6.6	6.6		6.9	6.8	
6	7.0	6.9		6.7	6.6		6.7	6.6		6.9	6.7	
7	7.0	6.9		6.7	6.6		6.6	6.6		6.9	6.7	
8	7.0	6.9		6.6	6.3		6.9	6.6		6.9	6.7	
9	7.0	6.9		6.3	6.2		6.9	6.7		7.0	6.7	
10	7.0	6.9		6.6	6.2		6.8	6.7		7.0	6.8	
11	6.9	6.8		6.6	6.3		6.8	6.6		7.0	6.8	
12	7.0	6.8		6.7	6.3		6.7	6.6		6.9	6.7	
13	7.0	6.8		6.7	6.6		6.8	6.7		6.8	6.6	
14	7.0	6.8		6.7	6.5		6.8	6.6		6.8	6.7	
15	7.0	6.8		6.7	6.5		6.7	6.5		6.8	6.6	
16	7.0	6.8		6.7	6.5		6.5	6.4		6.8	6.7	
17	7.0	6.9		6.7	6.5		6.6	6.4		6.8	6.6	
18	7.0	6.8		6.7	6.6		6.6	6.4		6.7	6.6	
19	7.0	6.8		6.8	6.6		6.6	6.5		6.7	6.6	
20	7.0	6.9		6.8	6.5		6.7	6.5		7.0	6.6	
21	7.0	6.9		6.7	6.5		6.7	6.6		6.8	6.7	
22	6.9	6.9		6.5	6.3		6.7	6.6		6.8	6.5	
23	7.0	6.9		6.6	6.3		6.8	6.6		6.8	6.5	
24	7.0	6.9		6.8	6.4		6.8	6.6		6.6	6.5	
25	7.0	6.8		6.7	6.4		6.8	6.6		6.7	6.5	
26	7.0	6.9		6.7	6.5		6.8	6.6		6.5	6.4	
27	6.9	6.8		6.7	6.5		6.8	6.6		6.7	6.4	
28	6.9	6.8		6.7	6.5		6.9	6.7		6.8	6.5	
29	6.9	6.8		6.6	6.3		6.9	6.7		6.8	6.6	
30	---	---		6.3	6.2		6.9	6.7		6.8	6.6	
31	---	---		6.5	6.2		---	---		6.8	6.7	

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.9	6.7		6.7	6.4		6.7	6.5		6.5	6.3	
2	6.8	6.7		6.7	6.5		6.6	6.4		6.5	6.4	
3	6.8	6.6		6.7	6.5		6.6	6.4		6.7	6.4	
4	7.1	6.6		6.6	6.5		6.6	6.4		6.5	6.5	
5	7.1	6.8		6.9	6.5		6.6	6.4		6.6	6.4	
6	6.8	6.6		6.8	6.5		6.6	6.4		6.5	6.4	
7	6.7	6.5		6.8	6.4		6.6	6.3		6.6	6.4	
8	6.7	6.5		6.8	6.4		6.5	6.3		6.6	6.4	
9	6.6	6.4		6.8	6.6		6.5	6.4		6.5	6.4	
10	6.8	6.5		6.8	6.6		6.6	6.3		6.5	6.4	
11	7.0	6.6		6.8	6.5		6.6	6.4		6.5	6.4	
12	6.9	6.6		6.7	6.6		6.7	6.4		6.5	6.3	
13	6.8	6.7		6.8	6.5		6.6	6.4		6.5	6.3	
14	6.9	6.6		6.8	6.5		6.6	6.4		6.7	6.4	
15	7.0	6.6		6.8	6.4		6.6	6.3		6.6	6.4	
16	6.8	6.6		6.8	6.4		6.6	6.4		6.5	6.3	
17	6.7	6.5		6.7	6.5		6.5	6.4		6.5	6.3	
18	6.7	6.5		6.8	6.6		6.6	6.3		6.5	6.3	
19	7.0	6.5		6.8	6.6		6.6	6.5		6.5	6.3	
20	6.8	6.7		6.7	6.5		6.6	6.4		6.5	6.3	
21	6.7	6.6		6.6	6.4		6.6	6.4		6.5	6.3	
22	6.8	6.6		6.6	6.5		6.6	6.4		6.5	6.3	
23	6.7	6.6		6.6	6.5		6.6	6.4		6.5	6.3	
24	6.6	6.5		6.8	6.5		6.7	6.5		6.5	6.4	
25	6.6	6.5		6.7	6.5		6.7	6.5		6.5	6.4	
26	6.7	6.4		6.8	6.5		6.6	6.5		6.6	6.4	
27	6.6	6.3		6.9	6.6		6.5	6.4		6.5	6.5	
28	6.5	6.3		6.7	6.5		6.5	6.3		6.6	6.5	
29	6.5	6.4		6.9	6.5		6.5	6.3		6.6	6.5	
30	6.6	6.4		6.7	6.5		6.5	6.4		6.5	6.4	
31	---	---		6.7	6.4		6.6	6.4		---	---	
YEAR	7.1	6.2										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.0	22.0	23.0	17.0	16.0	16.5	13.5	10.5	12.5	10.5	8.5	9.5
2	23.5	21.5	22.5	18.0	16.5	17.5	11.0	9.5	10.5	10.5	8.0	9.5
3	23.0	21.0	22.0	18.0	17.0	17.5	12.5	8.5	10.5	10.5	10.0	10.0
4	23.5	21.0	22.0	17.0	16.0	16.5	13.0	10.5	12.0	10.0	9.0	9.5
5	23.0	20.5	22.0	18.5	15.0	16.5	12.5	7.5	10.5	10.0	8.5	9.5
6	20.5	19.0	19.5	18.0	15.0	16.0	12.0	8.0	10.5	8.5	7.5	8.0
7	20.0	18.5	19.0	17.0	14.5	15.5	12.0	8.0	10.0	8.5	6.5	7.5
8	22.0	18.0	19.5	17.0	15.5	16.5	11.5	8.0	9.5	10.0	8.0	9.0
9	22.0	20.5	21.0	17.0	15.5	16.5	10.0	8.0	9.0	10.0	8.0	9.5
10	20.5	18.5	20.0	18.0	16.0	17.5	10.5	7.5	9.0	10.0	9.0	9.5
11	19.5	18.0	18.5	16.0	14.5	15.5	11.5	10.0	10.5	10.5	9.0	9.5
12	21.0	19.0	20.0	16.0	15.0	15.5	12.5	11.0	11.5	10.0	9.0	9.5
13	20.5	19.0	20.0	16.5	14.5	15.5	12.5	11.5	12.0	9.5	8.0	8.5
14	20.0	19.0	19.5	16.5	14.5	16.0	12.0	11.5	12.0	9.5	7.5	8.5
15	20.5	17.0	19.5	16.0	15.0	15.5	11.5	10.5	11.0	9.0	8.0	8.5
16	20.0	19.5	20.0	15.0	14.0	14.5	11.5	9.5	10.5	9.5	8.0	8.5
17	20.0	18.0	19.0	14.5	13.0	13.5	11.0	9.5	10.5	9.5	9.0	9.0
18	20.5	19.5	20.0	13.5	11.5	13.0	11.5	11.0	11.0	10.5	9.5	10.0
19	21.0	20.0	20.5	15.5	11.0	13.5	11.0	10.5	11.0	12.0	10.5	11.0
20	21.5	20.0	21.0	15.5	14.0	15.0	11.0	9.0	10.5	---	---	---
21	22.0	20.0	20.5	15.5	14.5	15.0	11.0	9.0	10.5	10.0	9.0	9.5
22	21.0	19.5	20.0	15.5	13.0	14.5	10.5	9.5	10.0	10.0	9.0	9.5
23	21.0	20.0	20.5	14.5	12.5	13.5	10.0	8.5	9.5	10.0	9.0	9.5
24	20.5	19.5	20.0	16.0	14.0	15.0	10.0	8.5	9.5	9.5	8.5	9.0
25	20.0	19.0	19.5	16.5	15.5	16.0	10.5	9.5	10.0	9.0	8.5	9.0
26	19.0	18.5	18.5	17.0	15.5	16.5	10.5	9.5	10.0	9.0	9.0	9.0
27	19.0	18.0	18.5	16.0	15.0	15.5	11.0	10.0	10.5	9.0	9.0	9.0
28	19.0	17.5	18.0	16.0	14.5	15.5	11.0	10.5	10.5	9.0	8.5	9.0
29	19.0	16.0	17.0	15.0	14.0	14.5	11.0	10.0	10.5	9.5	8.5	9.0
30	19.0	16.5	18.0	14.5	12.0	13.5	10.0	9.0	9.5	9.0	8.5	8.5
31	18.5	16.0	17.5	---	---	---	10.5	8.5	9.5	8.5	7.5	8.0

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.0	6.0	7.5	9.0	7.5	8.5	15.5	12.5	14.0	19.5	17.0	18.0
2	7.5	6.5	7.0	7.5	6.0	6.5	15.0	12.0	14.0	19.5	18.5	19.0
3	7.0	4.5	6.0	7.0	6.0	6.5	15.5	14.5	15.0	20.0	18.5	19.0
4	7.5	4.0	5.5	8.0	7.0	7.5	17.5	15.5	16.0	21.0	19.0	20.0
5	7.5	5.5	6.5	8.0	7.5	7.5	17.5	16.0	16.5	21.0	17.5	19.5
6	7.0	4.0	6.0	9.0	7.5	8.0	17.5	15.5	16.5	21.5	17.0	18.5
7	7.0	6.0	6.5	9.0	8.0	8.0	17.0	16.0	16.5	21.5	17.0	18.5
8	7.0	5.5	6.5	11.0	8.0	9.5	17.0	16.0	16.5	21.0	18.0	19.5
9	7.0	5.0	6.0	13.0	11.0	12.0	18.0	14.5	16.5	20.0	17.0	18.5
10	6.5	5.0	6.0	12.5	9.5	11.5	17.0	13.5	16.0	20.0	17.5	19.0
11	7.0	4.5	5.5	13.0	9.5	11.5	18.0	16.5	17.0	22.0	19.5	20.5
12	7.5	5.5	6.5	12.0	9.5	11.0	17.5	17.0	17.0	22.0	18.0	20.5
13	7.0	5.5	6.5	9.5	9.0	9.0	17.5	17.0	17.0	21.0	17.5	19.0
14	7.0	6.0	6.5	9.5	8.0	8.5	17.5	14.5	16.5	22.0	19.0	21.0
15	7.5	6.0	6.5	10.0	8.0	9.0	16.0	14.0	15.5	21.0	19.0	19.5
16	8.0	7.0	7.5	12.0	9.0	10.0	16.0	14.5	15.0	22.0	20.0	20.5
17	7.5	6.5	7.0	12.0	10.5	11.5	15.5	14.0	14.5	21.5	19.5	20.0
18	7.5	6.5	7.0	14.0	11.0	12.5	16.0	14.5	15.0	22.5	20.0	21.0
19	7.5	6.5	7.0	13.5	11.5	12.5	16.5	15.5	16.0	21.0	19.0	20.0
20	7.5	7.0	7.5	13.0	10.0	12.5	17.5	16.0	17.0	20.5	20.0	20.0
21	8.0	7.5	7.5	13.5	10.5	12.5	18.5	17.0	17.5	21.5	20.0	20.5
22	9.0	7.5	8.5	13.5	12.5	12.5	19.0	17.5	18.0	20.5	20.0	20.0
23	11.5	7.5	9.5	13.0	11.5	12.0	20.5	15.5	18.0	20.5	20.0	20.0
24	13.5	10.5	12.0	12.5	10.5	11.5	20.5	15.0	17.0	22.0	20.0	21.0
25	13.0	8.0	11.0	13.0	10.5	12.0	20.5	14.5	17.0	21.5	21.0	21.5
26	9.5	7.0	8.0	12.5	11.0	12.0	21.0	16.0	19.0	22.0	21.0	21.5
27	9.0	7.5	8.5	13.0	11.0	12.0	22.5	20.5	21.5	22.0	21.0	21.5
28	10.0	8.5	9.5	12.5	11.5	12.0	21.5	18.5	19.5	22.5	21.0	21.5
29	10.5	9.0	9.5	12.0	11.5	11.5	20.0	17.5	19.0	24.0	21.5	22.5
30	---	---	---	12.0	11.5	11.5	18.0	16.5	17.5	24.5	21.5	22.5
31	---	---	---	14.0	12.0	13.0	---	---	---	25.0	21.0	23.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.0	22.0	24.0	27.5	24.0	25.5	31.0	29.0	29.5	30.0	28.5	29.0
2	26.0	22.0	23.5	28.0	24.5	26.0	31.0	28.5	29.5	30.0	29.0	29.5
3	26.0	21.5	23.0	27.5	25.0	25.5	30.5	29.0	29.5	30.0	28.5	29.0
4	26.5	21.5	23.5	27.0	25.0	26.0	31.0	28.5	29.5	30.0	28.5	29.5
5	27.0	22.5	24.0	29.5	26.0	27.0	30.5	28.5	29.0	30.5	29.0	29.5
6	26.5	23.0	24.5	29.0	25.5	27.0	31.0	28.5	29.5	30.0	29.0	29.5
7	26.0	22.5	24.0	30.0	26.5	28.0	31.0	29.0	29.5	30.0	29.0	29.5
8	26.0	23.5	24.5	30.5	26.5	27.5	30.5	29.0	29.5	30.0	29.0	29.5
9	26.0	22.5	24.0	28.5	26.0	27.0	30.5	29.0	29.5	29.5	28.5	29.0
10	27.0	22.5	24.5	29.5	26.0	27.0	31.0	29.0	30.0	29.0	28.5	29.0
11	26.0	22.5	24.5	29.0	26.0	27.5	31.0	29.5	30.0	28.5	28.0	28.5
12	26.0	23.5	24.5	29.5	26.5	27.5	31.0	29.0	30.0	29.5	28.0	28.5
13	25.5	23.0	24.5	29.5	27.5	28.0	30.5	29.0	30.0	29.5	28.0	28.5
14	25.5	23.0	24.5	31.0	28.0	29.5	30.0	29.0	29.5	30.0	28.0	29.0
15	26.5	23.5	25.0	31.0	27.5	28.5	30.5	29.0	30.0	29.5	28.0	29.0
16	27.0	24.0	25.0	31.0	27.5	28.5	30.5	29.5	30.0	29.5	28.0	29.0
17	24.5	23.5	24.0	30.5	27.5	28.0	29.5	28.5	29.0	29.0	28.0	28.5
18	24.5	23.0	23.5	29.5	27.0	28.0	30.0	28.5	29.0	29.0	28.0	28.5
19	25.5	24.0	24.5	30.0	27.5	28.5	30.0	29.0	29.5	28.5	28.0	28.5
20	26.5	24.0	25.0	30.0	27.5	29.0	31.0	29.0	29.5	28.5	27.5	28.0
21	25.0	23.5	24.0	30.0	27.5	28.5	31.0	29.5	30.0	28.5	27.5	28.0
22	26.5	24.0	25.0	29.5	28.0	28.5	30.5	28.5	29.5	29.0	27.5	28.5
23	26.0	24.0	25.0	28.5	27.5	28.0	30.0	29.0	29.5	29.5	28.0	28.5
24	24.5	23.5	24.0	29.5	27.5	28.5	30.0	28.0	29.0	29.0	28.0	28.5
25	24.5	23.5	24.0	29.5	28.0	28.5	29.5	27.5	28.5	28.5	27.5	28.0
26	23.5	21.5	23.0	30.0	28.0	28.5	29.5	28.0	28.5	28.5	28.0	28.0
27	24.5	21.0	22.5	30.5	28.5	29.5	29.5	28.5	29.0	27.5	25.0	26.5
28	25.0	22.5	23.5	30.0	28.5	29.0	29.5	28.0	29.0	24.5	22.5	23.5
29	26.5	23.5	25.0	30.5	28.5	29.0	30.0	28.0	29.0	22.0	19.5	21.0
30	27.0	24.5	25.5	30.0	28.5	29.0	29.5	28.5	29.0	22.0	18.5	20.0
31	---	---	---	31.0	28.5	29.5	29.5	28.5	29.0	---	---	---
YEAR	31.0	4.0	18.5									

02160991 BROAD RIVE.. NEAR JENKINSVILLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITEP, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.9	7.0	7.7	9.7	9.3	9.6	10.8	9.6	10.1	12.0	10.7	11.4
2	---	---	---	9.6	9.1	9.4	11.3	10.2	10.9	11.9	10.9	11.2
3	8.0	7.7	7.8	9.4	9.1	9.3	11.5	10.0	10.8	11.5	10.8	11.1
4	8.0	6.5	7.3	9.8	9.3	9.6	11.0	9.8	10.3	11.7	11.1	11.3
5	7.1	5.2	5.9	9.8	9.2	9.6	11.6	10.2	10.8	11.8	11.1	11.3
6	8.1	6.3	7.4	9.9	9.2	9.7	11.9	10.2	10.8	11.9	11.5	11.7
7	9.0	7.4	7.9	9.9	9.4	9.7	11.8	9.8	10.9	12.5	11.6	11.9
8	9.1	7.8	8.4	9.7	9.2	9.4	12.6	10.1	11.4	11.8	10.9	11.2
9	8.6	8.0	8.3	9.9	9.3	9.5	12.0	9.8	11.4	12.2	10.3	11.1
10	8.2	7.7	8.0	9.9	9.2	9.4	11.4	10.1	10.8	11.9	11.2	11.5
11	8.8	8.5	8.6	10.1	9.7	9.9	10.7	9.6	10.1	11.8	11.3	11.5
12	8.7	7.5	8.4	10.1	9.8	10.0	10.9	9.7	10.4	12.0	10.8	11.8
13	9.0	8.1	8.5	10.1	9.6	9.8	10.8	9.9	10.4	12.2	10.1	12.0
14	9.1	8.4	8.7	9.7	9.3	9.4	11.5	9.9	10.7	12.4	11.0	11.8
15	9.3	8.5	8.7	9.7	9.4	9.5	11.6	10.9	11.1	11.7	10.3	11.2
16	9.1	8.3	8.7	10.0	9.5	9.8	11.7	10.9	11.2	11.8	9.7	11.2
17	9.3	8.3	8.7	10.4	9.9	10.1	11.6	11.0	11.3	11.4	9.8	10.8
18	8.7	8.4	8.5	10.6	9.9	10.1	11.1	10.7	10.9	11.3	10.3	10.7
19	9.0	8.4	8.7	10.6	9.4	10.0	11.3	10.5	10.8	10.9	9.0	10.2
20	9.1	8.4	8.7	10.1	9.3	9.6	11.6	10.3	10.8	---	---	---
21	9.0	8.6	8.8	10.1	9.6	9.7	12.3	10.7	11.2	---	---	---
22	8.8	8.3	8.6	10.5	9.5	9.9	11.5	11.0	11.3	10.9	10.6	10.7
23	8.8	8.5	8.6	10.5	9.9	10.2	12.4	11.6	11.9	10.8	10.7	10.8
24	8.6	8.4	8.5	10.3	9.1	9.8	12.5	12.4	12.4	10.9	10.6	10.8
25	8.9	8.3	8.5	9.4	8.8	9.2	12.4	11.7	12.1	11.0	10.7	10.9
26	9.3	8.5	8.9	9.4	9.1	9.3	11.7	11.4	11.5	11.1	10.9	11.0
27	9.1	8.6	8.9	9.6	9.1	9.3	11.6	10.7	11.1	11.1	11.0	11.0
28	9.5	8.9	9.2	9.9	9.4	9.6	11.5	10.7	11.0	11.0	10.6	10.9
29	9.9	8.9	9.6	10.1	9.8	9.9	11.2	10.8	10.9	10.8	10.6	10.7
30	10.1	8.7	9.3	10.5	9.7	10.0	11.9	11.2	11.4	10.9	10.7	10.8
31	9.8	8.9	9.4	---	---	---	12.1	11.1	11.7	11.0	10.5	10.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.2	10.8	11.0	12.7	11.7	12.4	10.5	9.8	10.0	9.1	8.7	8.9
2	11.7	10.9	11.2	12.8	12.7	12.8	10.6	9.6	10.0	9.2	8.9	9.0
3	12.3	11.2	11.7	13.2	12.9	13.0	9.7	9.4	9.6	9.2	8.8	9.1
4	12.4	11.2	11.8	13.8	13.2	13.4	9.8	9.6	9.7	9.2	8.8	9.0
5	12.0	11.0	11.5	13.8	12.4	13.2	9.6	9.4	9.5	9.5	8.7	9.1
6	12.5	11.1	11.6	13.7	12.6	13.4	9.6	9.4	9.5	9.2	8.3	8.9
7	11.9	11.1	11.3	13.8	13.6	13.7	9.7	9.5	9.6	9.4	8.8	9.1
8	12.1	11.2	11.6	13.8	12.9	13.5	10.0	9.6	9.8	9.2	8.9	9.0
9	12.4	11.3	11.8	13.0	12.0	12.5	10.2	9.5	9.8	9.4	8.5	8.9
10	12.4	11.4	11.9	13.2	12.0	12.4	10.2	9.2	9.6	9.3	8.8	9.1
11	12.2	11.5	11.9	13.3	11.5	12.2	9.7	9.4	9.6	9.3	8.6	9.0
12	11.9	11.4	11.5	13.3	11.2	12.1	9.6	9.4	9.5	8.8	8.2	8.5
13	12.0	11.4	11.6	13.8	10.6	12.9	9.4	9.3	9.4	8.7	8.2	8.4
14	11.9	11.3	11.6	11.7	10.7	11.3	9.9	9.3	9.6	8.5	7.8	8.2
15	11.9	11.4	11.7	11.5	10.6	11.0	10.3	9.3	9.8	8.8	7.8	8.2
16	11.9	11.4	11.5	11.5	9.5	10.6	10.6	10.3	10.5	8.9	8.2	8.5
17	11.8	11.4	11.6	11.9	10.7	11.5	10.5	10.0	10.2	8.8	7.8	8.2
18	11.6	11.3	11.4	12.7	12.1	12.4	10.2	9.8	10.0	8.2	7.4	7.8
19	11.7	11.3	11.5	13.4	11.8	12.8	9.9	9.8	9.9	8.3	7.8	8.1
20	11.7	11.4	11.5	11.0	10.5	10.7	9.8	9.5	9.6	9.0	7.9	8.2
21	11.7	11.4	11.5	10.9	10.3	10.6	9.5	9.3	9.4	8.5	7.8	8.1
22	11.7	11.4	11.5	10.6	10.3	10.4	9.3	8.9	9.2	8.7	8.4	8.5
23	11.5	10.8	11.2	---	---	---	9.7	9.1	9.3	8.4	8.0	8.2
24	10.8	10.2	10.5	11.0	10.5	10.7	9.7	9.2	[illegible]	8.1	7.4	7.7
25	11.7	9.7	10.6	10.8	10.0	10.5	9.5	9.1	9.4	8.3	7.9	8.1
26	11.9	11.2	11.7	10.9	10.5	10.8	9.4	8.4	9.0	8.1	7.8	8.0
27	12.0	11.8	11.9	10.9	10.1	10.6	8.8	8.0	8.4	8.1	7.3	7.8
28	12.3	11.9	12.1	10.8	10.2	10.6	9.7	8.2	8.8	8.1	7.5	7.8
29	12.2	11.3	11.8	11.0	10.5	10.8	9.3	8.4	8.8	8.0	6.7	7.7
30	---	---	---	11.0	10.7	10.9	9.3	8.6	9.0	8.0	6.6	7.5
31	---	---	---	10.6	10.1	10.3	---	---	---	8.0	7.3	7.5

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	7.2	7.5	7.0	6.2	6.5	6.0	4.6	5.1	6.8	5.6	6.3
2	7.5	7.2	7.3	7.2	6.3	6.6	5.4	4.5	5.0	6.3	4.9	5.7
3	7.5	7.1	7.3	6.8	5.8	6.2	5.5	4.0	4.9	6.3	4.6	5.3
4	8.0	7.0	7.4	6.6	5.6	6.1	5.4	3.9	4.7	5.5	4.6	5.0
5	8.2	7.3	7.7	7.5	5.8	6.5	5.4	4.5	4.9	6.0	4.1	5.1
6	7.5	7.0	7.2	7.4	5.7	6.4	5.2	4.6	4.9	6.1	4.6	5.3
7	7.0	6.6	6.8	7.2	5.7	6.3	5.7	4.6	5.0	6.2	5.0	5.6
8	7.2	6.5	6.8	6.4	5.5	5.9	5.4	4.2	4.8	6.4	5.0	5.6
9	6.8	6.3	6.7	6.1	5.2	5.7	5.5	4.5	5.0	6.1	5.5	5.8
10	7.4	6.4	6.8	6.2	5.4	5.9	5.8	4.1	5.0	5.8	5.0	5.4
11	8.1	6.7	7.3	6.2	5.2	5.8	5.7	4.3	4.8	6.3	4.8	5.5
12	8.1	6.6	7.3	6.0	5.2	5.7	6.1	4.2	5.1	6.2	5.3	5.8
13	7.7	7.0	7.4	6.7	5.0	5.6	6.3	4.5	5.3	6.8	5.5	6.2
14	7.8	6.9	7.3	6.4	4.5	5.6	5.6	4.8	5.1	7.7	6.2	6.8
15	8.0	6.8	7.3	6.3	4.5	5.4	5.5	3.3	4.7	6.9	5.5	6.2
16	7.5	6.3	6.9	6.2	4.5	5.3	5.2	3.8	4.5	7.1	5.4	6.3
17	7.0	6.0	6.6	5.8	4.6	5.2	5.1	4.1	4.6	6.9	5.1	6.0
18	6.9	6.1	6.5	6.7	5.1	5.7	5.7	3.9	4.9	6.7	5.4	6.1
19	7.1	6.0	6.6	6.4	5.4	5.9	5.7	5.0	5.4	6.7	5.9	6.2
20	7.4	6.7	7.0	6.1	5.1	5.6	6.1	4.6	5.2	6.7	6.0	6.2
21	7.1	6.5	6.8	5.7	4.6	5.3	5.9	4.4	5.2	6.8	5.9	6.3
22	7.5	6.7	7.1	5.8	4.8	5.4	6.1	4.5	5.3	6.6	5.9	6.3
23	7.2	6.2	6.7	5.7	4.6	5.2	5.9	4.7	5.3	6.8	5.9	6.4
24	6.7	5.9	6.4	6.6	4.9	5.5	6.7	5.3	6.0	7.1	6.2	6.6
25	7.0	6.3	6.7	6.3	5.2	5.7	6.6	5.4	6.0	7.1	6.5	6.8
26	8.1	7.0	7.6	6.7	5.0	5.8	6.0	5.3	5.6	7.4	6.3	6.8
27	8.6	6.2	7.6	7.3	5.3	6.3	5.9	5.3	5.6	7.5	7.0	7.2
28	7.0	4.2	6.1	6.3	5.2	5.8	5.8	4.9	5.4	8.4	7.5	8.0
29	6.8	6.3	6.6	6.9	4.9	5.7	6.1	5.1	5.6	9.3	8.6	8.9
30	6.8	6.3	6.6	5.7	5.1	5.5	6.3	5.5	5.8	9.4	8.5	9.1
31	---	---	---	6.4	4.9	5.3	7.0	5.9	6.3	---	---	---
YEAR	13.8	3.3	8.8									

02161500 BROAD RIVER AT RICHTEX, S.C.

LOCATION.--Lat 34°11'05", long 81°11'48", Richland County, Hydrologic Unit 03050106, on right bank 0.8 mi (1.3 km) west of Richtex, 1.2 mi (1.9 km) upstream from Little River, 10.2 mi (16.4 km) downstream from Parr Shoals Dam, and at mile 191.2 (307.6 km).

DRAINAGE AREA.--4,850 mi^2 (12,560 km^2), approximately.

PERIOD OF RECORD.--October 1925 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 757: 1930(M). WSP 972: Drainage area. WSP 1303: 1929(M), 1933.

GAGE.--Water-stage recorder. Datum of gage is 184.84 ft (56.339 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for periods of no gage-height record, Jan. 16 to Feb. 19 and April 29 to June 13, which are poor. Regulation at low and medium flow by powerplants above station.

AVERAGE DISCHARGE.--55 years, 6,250 ft^3/s (177.0 m^3/s), 17.50 in/yr (444 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 228,000 ft^3/s (6.460 m^3/s) Oct. 3, 1929, gage height, 30.7 ft (9.36 m) (from floodmarks), on basis of computation of flow over Parr Shoals Dam; minimum daily, 149 ft^3/s (4.22 m^3/s) Oct. 13, 1935, Sept. 2, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 35,000 ft^3/s (991 m^3/s) and maximum (*).

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 1	2200	46,200	1,310	11.98	3.652	Mar. 22	2200	45,900	1,300	11.93	3.636
Jan. 20	Unknown	Unknown		Unknown		Mar. 30	1200	*64,200	1,820	*14.74	4.493
Mar. 9	1515	35,500	1,010	10.15	3.094	Apr. 16	0015	39,200	1,110	10.81	3.295
Mar. 13	1500	47,100	1,330	12.13	3.697	June 26	2145	51,800	1,470	12.88	3.926

Minimum daily, 1,090 ft^3/s (30.9 m^3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29800	4110	7500	4020	5500	3180	27800	5000	6000	4940	3860	2480
2	30200	4200	7000	5190	6000	7070	21100	4800	5500	5160	3390	2640
3	11600	4900	6500	7410	6000	5260	6820	4800	4600	4820	2050	3520
4	8890	15600	6000	3130	5500	5270	10300	4000	4000	5100	1860	3190
5	5890	19000	5500	3500	5500	3030	10100	4400	4200	4940	5200	2690
6	5310	8280	5500	3510	5000	3990	9150	4200	4000	5000	3240	1650
7	5670	4030	6000	3530	5000	5190	6760	4400	3800	4620	2570	2650
8	8780	5500	6000	3780	5500	15600	7190	4600	3800	4820	2240	2200
9	6930	5650	5500	10300	5000	25800	10000	4000	3800	4320	1830	2690
10	4960	5160	5000	7030	6000	25200	16500	4200	3600	5000	1140	3040
11	4960	4350	6000	6030	12000	14600	11900	4200	4200	4450	1210	3480
12	4970	19700	5500	6600	10000	8950	10000	3800	3600	5410	1430	1760
13	4620	15800	6000	8030	8000	26900	9310	3600	3400	2850	4410	1730
14	4980	13400	5000	13400	6500	10200	17000	3400	3760	1850	3800	1690
15	4940	5860	6000	11000	6000	9560	25600	3600	3550	2860	1830	1820
16	4940	6960	5500	16000	5500	6460	35600	3600	3360	3280	1690	1650
17	2070	5170	5000	12000	5500	4470	21700	3800	3130	3030	1270	1090
18	1610	3570	4600	10000	5500	12400	13900	3800	3300	3360	1490	1560
19	5030	5000	4930	20000	5500	25300	11200	8000	3450	3820	2910	2890
20	4950	4900	5010	44000	5300	18400	8830	11000	4170	3140	3280	3940
21	3820	4310	5060	29000	5030	25000	9060	8000	4780	3410	2960	3470
22	2240	5000	2360	13000	4990	42200	8360	20000	4700	2780	2090	2780
23	3750	4010	2510	9500	5130	39800	9430	12000	4230	2630	1810	2370
24	4240	5070	3610	9500	5000	23500	6670	9000	3190	2340	3240	3590
25	4240	3850	3600	9000	4220	20100	8230	9000	7540	3320	3270	2630
26	3100	4300	3570	8000	5090	22400	6230	16000	25500	2870	2810	3320
27	2250	5960	4270	8500	5150	15300	5300	10000	34900	2450	2590	3960
28	3100	6270	4360	7000	5030	16600	6940	8000	13800	2830	1430	4350
29	2970	9630	4310	6500	2850	46200	6000	6500	9110	3760	1260	9980
30	4150	8400	4450	6000	---	61900	5500	5500	4550	3900	1700	26000
31	3430	---	4310	5500	---	43900	---	5000	---	4160	2040	---
TOTAL	198390	217940	156450	309960	167290	593730	362480	202200	191520	117220	75900	110810
MEAN	6400	7265	5047	9999	5769	19150	12080	6523	6384	3781	2448	3694
MAX	30200	19700	7500	44000	12000	61900	35600	20000	34900	5410	5200	26000
MIN	1610	3570	2360	3130	2850	3030	5300	3400	3130	1850	1140	1090

CAL YR 1979 TOTAL 2803657 MEAN 7681 MAX 70200 MIN 845
WTR YR 1980 TOTAL 2703890 MEAN 7388 MAX 61900 MIN 1090

02162010 CEDAR CREEK NEAR BLYTHEWOOD, S.C.

LOCATION.--Lat 34°11'44", long 81°06'13", Richland County, Hydrologic Unit 03050106, on right bank at downstream side of bridge on State Road 59, 0.2 mi (0.3 km) above Williams Branch, 8.0 mi (12.9 km) southwest of Blythewood, and at mile 6.9 (11.1 km).

DRAINAGE AREA.--48.9 mi^2 (127 km^2).

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 240 ft (73 m) (from topographic map).

REMARKS.--Records good, except period of doubtful or no gage-height record Apr. 29 to Sept. 25, which is poor.

AVERAGE DISCHARGE.--13 years, 50.5 ft^3/s (1.430 m^3/s) 14.02 in/yr (356 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft^3/s (138 m^3/s) July 4, 1968, gage height, 18.42 ft (5.614 m); minimum daily, 0.66 ft^3/s (0.019 m^3/s) Oct. 5, 6, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft^3/s (28.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Feb. 10	0530	1.130	32.0	7.46	2.274	Mar. 18	0345	1,400	39.6	8.34	2.542
Mar. 8	1630	1,500	42.5	8.68	2.646	Mar. 21	1100	1,460	41.3	8.56	2.609
Mar. 13	0315	1,620	45.9	9.07	2.745	Mar. 29	0130	*3,110	88.1	*13.76	4.194

Minimum daily, 6.7 ft^3/s (0.190 m^3/s) Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	11	13	21	67	21	125	17	12	12	11	11
2	16	11	13	33	45	25	80	16	13	12	11	11
3	36	16	12	22	38	28	64	16	12	11	11	11
4	16	16	12	18	35	37	58	15	11	30	10	10
5	89	12	12	22	32	98	43	15	12	18	10	10
6	33	11	13	19	34	92	34	15	13	12	11	10
7	20	11	17	17	39	49	30	14	26	11	11	9.5
8	16	11	14	42	52	853	63	19	10	11	15	9.5
9	13	11	13	275	98	297	158	15	9.5	18	26	9.5
10	12	12	12	103	581	125	101	14	9.0	34	38	9.0
11	12	38	12	128	159	73	81	14	8.5	15	22	9.0
12	12	69	11	98	91	290	72	14	8.5	14	26	9.0
13	11	24	11	50	62	914	175	13	8.0	14	50	9.0
14	11	18	12	197	49	212	206	13	8.0	13	24	8.5
15	10	14	13	128	43	103	119	12	8.0	12	12	8.5
16	10	14	14	60	43	67	78	13	12	13	10	8.0
17	11	14	16	46	40	87	62	20	30	15	400	8.5
18	11	13	14	578	32	684	54	14	38	24	80	8.0
19	10	12	13	232	31	165	50	30	14	11	26	8.0
20	10	12	13	103	30	190	45	400	11	10	40	8.0
21	9.5	11	12	64	28	786	41	50	11	10	40	8.0
22	9.5	11	12	53	31	196	38	18	10	11	26	8.0
23	10	13	12	326	38	103	34	18	10	14	200	7.5
24	11	14	13	125	39	189	30	20	360	11	300	7.5
25	10	14	25	72	31	192	26	16	300	14	220	7.5
26	9.0	34	18	52	26	92	24	14	70	13	18	7.0
27	8.5	26	14	62	23	64	23	13	18	26	15	6.7
28	9.0	17	13	54	22	986	21	14	16	110	13	17
29	11	16	13	44	22	1290	20	13	14	50	14	292
30	13	14	13	37	---	659	18	12	13	15	13	295
31	18	---	20	63	---	278	---	13	---	12	11	---
TOTAL	500.5	520	425	3144	1861	9245	1973	900	1095.5	596	1714	841.2
MEAN	16.1	17.3	13.7	101	64.2	298	65.8	29.0	36.5	19.2	55.3	28.0
MAX	89	69	25	578	581	1290	206	400	360	110	400	295
MIN	8.5	11	11	17	22	21	18	12	8.0	10	10	6.7
CFSM	.33	.35	.28	2.07	1.31	6.09	1.35	.59	.75	.39	1.13	.57
IN.	.38	.40	.32	2.39	1.42	7.03	1.50	.68	.83	.45	1.30	.64

CAL YR 1979 TOTAL 22528.6 MEAN 61.7 MAX 1800 MIN 5.7 CFSM 1.26 IN 17.14
WTR YR 1980 TOTAL 22815.2 MEAN 62.3 MAX 1290 MIN 6.7 CFSM 1.27 IN 17.36

02162093 SMITH BRANCH AT NORTH MAIN STREET AT COLUMBIA, S.C.

LOCATION.--Lat 34°01'38", long 81°02'31", Richland County, Hydrologic Unit 03050106, on left bank, 15 ft (5 m) upstream from culvert opening at North Main Street at Columbia.

DRAINAGE AREA.--5.67 mi^2 (14.69 km^2).

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 200 ft (61 m) (from topographic map).

REMARKS.--Records good, except period of no gage-height record October 1-31, which is poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,790 ft^3/s (50.7 m^3/s) July 21, 1979, gage height, 10.03 ft (3.057 m); minimum, 0.46 ft^3/s (0.013 m^3/s) Aug. 1, 2, 4, 5, 11-14, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,070 ft^3/s (30.3 m^3/s) Aug. 16, gage height, 7.14 ft (2.176 m); minimum, 0.46 ft^3/s (0.013 m^3/s) Aug. 1, 2, 4, 5, 11-14, 1980.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	2.8	3.7	17	6.7	8.3	11	4.0	2.7	2.7	2.6	2.7
2	7.0	56	3.6	5.4	6.0	4.5	9.6	3.8	2.7	2.7	2.5	2.5
3	8.0	5.9	3.7	4.5	5.7	14	19	3.8	2.5	2.7	2.4	2.5
4	6.0	3.7	3.8	6.7	5.7	6.7	9.6	3.5	2.5	6.7	2.5	2.3
5	7.0	3.5	3.8	5.4	5.4	19	7.5	3.5	2.5	2.9	2.5	2.5
6	5.0	3.4	8.3	4.5	11	5.7	7.1	3.5	2.7	2.5	2.6	2.5
7	4.0	3.3	3.8	4.5	6.4	5.1	10	3.3	6.0	2.5	2.6	2.0
8	3.5	3.3	3.4	77	5.4	52	39	4.5	2.3	2.5	4.2	2.0
9	3.0	3.2	3.3	16	31	8.8	10	3.5	2.3	2.7	7.9	2.0
10	2.5	3.1	3.4	7.1	39	6.7	9.0	3.3	2.3	7.9	2.7	2.0
11	2.0	94	3.4	21	7.5	5.7	8.0	3.3	2.3	3.3	2.7	2.0
12	2.0	7.5	3.5	7.1	6.0	110	7.0	3.3	2.3	2.9	12	2.0
13	2.0	5.2	3.5	7.9	5.4	66	20	3.1	2.3	2.9	3.4	2.0
14	1.5	4.4	3.6	21	5.1	12	30	3.1	2.3	2.9	2.4	2.0
15	1.5	4.1	5.5	6.7	5.1	8.8	15	3.1	2.1	2.5	2.5	2.0
16	1.5	3.9	7.0	6.0	10	7.5	8.0	3.1	2.3	2.7	78	2.0
17	1.5	3.8	3.5	16	4.5	72	6.7	4.8	6.4	3.1	7.5	2.0
18	1.5	3.7	3.3	50	4.5	31	6.7	3.1	8.3	5.1	3.0	2.0
19	1.5	3.7	3.3	9.2	4.3	9.6	6.4	9.6	2.5	2.3	24	2.0
20	1.5	3.6	3.3	7.5	4.5	27	6.0	85	2.3	2.3	5.9	2.0
21	1.5	3.6	3.5	7.1	4.8	36	6.0	5.1	2.3	2.3	3.0	1.5
22	2.0	3.6	3.5	22	11	9.2	5.4	4.3	2.3	2.3	34	1.5
23	2.0	4.4	3.5	25	6.0	7.5	5.1	4.3	2.3	2.9	3.3	1.5
24	1.5	3.4	14	7.9	4.3	44	4.8	4.5	77	2.3	3.0	1.5
25	1.5	8.9	4.5	7.1	4.3	10	4.8	3.8	77	2.9	3.0	1.5
26	1.5	21	3.8	11	4.0	7.5	4.5	3.3	8.8	2.9	2.8	1.5
27	1.5	4.0	3.5	14	4.0	6.7	4.5	3.1	4.0	2.7	3.2	1.5
28	1.5	4.0	3.5	6.7	4.3	182	4.5	3.3	3.3	17	2.8	10
29	1.5	3.7	3.8	6.4	4.3	35	4.8	2.9	3.1	8.3	3.0	100
30	2.0	3.7	16	8.3	---	90	4.5	2.7	2.9	2.7	2.9	110
31	2.5	---	4.8	28	---	18	---	2.9	---	2.7	2.8	---
TOTAL	88.5	282.4	145.1	444.0	226.2	926.3	294.5	198.4	244.6	114.8	237.7	273.5
MEAN	2.85	9.41	4.68	14.3	7.80	29.9	9.82	6.40	8.15	3.70	7.67	9.12
MAX	8.0	94	16	77	39	182	39	85	77	17	78	110
MIN	1.5	2.8	3.3	4.5	4.0	4.5	4.5	2.7	2.1	2.3	2.4	1.5

CAL YR 1979 TOTAL 4024.7 MEAN 11.0 MAX 260 MIN 1.5
WTR YR 1980 TOTAL 3476.0 MEAN 9.50 MAX 182 MIN 1.5

02163500 SALUDA RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°23'12", long 82°13'20", Greenwood County, Hydrologic Unit 03050109, on right bank 2.0 mi (3.2 km) southeast of Ware Shoals, 2.5 mi (4.0 km) downstream from Ware Shoals Dam, 5.0 mi (8.0 km) upstream from Turkey Creek, and at mile 83.7 (134.7 km).

DRAINAGE AREA.--581 mi^2 (1,505 km^2).

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Altitude of gage is 448 ft (136.6 m) (by barometer).

REMARKS.--Records good. Some regulation at low and medium flow by powerplants upstream. Capacity of reservoirs insufficient to affect monthly figures of runoff. About 43,429,000 gal per day or 67.2 ft^3/s (1.90 m^3/s) diverted above station for city of Greenville water supply during water year. City of Greenville began diverting water from Saluda River (Table Rock Reservoir) in 1930; supplemented by North Saluda Reservoir in 1961. Sewage effluent discharged into Reedy River near Greenville.

AVERAGE DISCHARGE.--42 years, 1,040 ft^3/s (29.45 m^3/s), 24.31 in/yr (617 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,700 ft^3/s (586 m^3/s) Sept. 14, 1973, gage height, 22.85 ft (6.965 m), from rating curve extended above 14,000 ft^3/s (396 m^3/s) on basis of computation of peak flow over dam; minimum, 3 ft^3/s (0.085 m^3/s) Sept. 18, 1939; minimum daily, 11 ft^3/s (0.31 m^3/s) Oct. 12, 19, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft^3/s (142 m^3/s) and maximum (*):

Date	Time	Discharge		Gage height		Date	Time	Discharge		Gage height	
		(ft^3/s)	(m^3/s)	(ft)	(m)			(ft^3/s)	(m^3/s)	(ft)	(m)
Mar. 21	2300	5,860	166	11.33	3.453	Apr. 14	1500	7,600	215	13.45	4.010
Mar. 28	2400	*8,460	240	*14.36	4.377	May. 21	0030	5,130	145	10.34	3.152

Minimum daily, 263 ft^3/s (7.45 m^3/s) Sept. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2050	1130	1470	947	1140	745	2790	1370	1220	775	532	408
2	2140	745	1160	1060	1040	731	2370	1340	1360	726	537	514
3	1770	2400	1480	947	855	721	2150	1290	1190	889	461	417
4	1300	4100	1220	991	1030	991	1980	1240	1310	745	649	682
5	1350	2460	1160	927	1070	889	1770	1390	1080	755	555	370
6	1240	1590	918	832	942	981	1780	1310	1020	1040	574	374
7	923	1280	1240	1020	898	1120	1730	1190	879	817	569	353
8	1140	1430	1120	942	908	2780	1830	1160	918	630	487	370
9	961	1180	952	836	1050	3560	2240	1220	1060	775	546	374
10	798	1060	1070	947	1080	2270	2690	1150	1060	775	430	430
11	923	1530	1060	913	1280	1650	2200	1110	808	860	426	300
12	702	1910	918	1010	1170	1500	1940	1290	903	726	569	284
13	755	1630	971	1050	1070	2460	2060	1090	731	555	514	263
14	639	1500	784	1270	937	1920	6060	1100	841	702	461	288
15	711	1270	817	1650	1000	1500	6600	1030	832	822	505	312
16	846	1240	865	1450	755	1210	4990	1070	855	487	578	345
17	780	1030	889	1310	908	1310	3180	947	894	578	447	370
18	760	1030	860	2850	1020	3380	2640	1520	879	565	426	271
19	611	1100	889	3780	860	3890	2340	2300	860	697	461	308
20	639	932	808	2370	952	2840	2150	2410	1040	528	602	456
21	755	991	726	1830	865	4890	2120	4160	898	654	447	417
22	855	865	697	1530	726	5210	1920	2770	860	658	663	324
23	991	822	602	1620	884	3460	1770	2160	1010	569	682	366
24	898	981	597	1600	827	2660	1660	3370	884	597	519	378
25	803	851	750	1440	898	3020	1610	2740	1130	621	430	400
26	770	1420	1060	1190	827	2550	1570	2140	1700	611	496	528
27	851	2830	1110	1100	832	2170	1500	1790	1220	583	542	555
28	560	2810	898	1150	770	4010	1640	1470	952	692	404	510
29	707	1950	894	1060	780	6350	1490	1420	918	745	378	1240
30	808	1620	894	1100	---	4210	1440	1270	898	639	519	1820
31	1310	---	927	1140	---	3580	---	1420	---	505	370	---
TOTAL	30346	45687	29806	41862	27374	78558	72210	51237	30210	21321	15779	14027
MEAN	979	1523	961	1350	944	2534	2407	1653	1007	688	509	468
MAX	2140	4100	1480	3780	1280	6350	6600	4160	1700	1040	682	1820
MIN	560	745	597	832	726	721	1440	947	731	487	370	263
CFSM	1.69	2.62	1.65	2.32	1.63	4.36	4.14	2.85	1.73	1.18	.88	.81
IN.	1.94	2.93	1.91	2.68	1.75	5.03	4.62	3.28	1.93	1.37	1.01	.90

CAL YR 1979 TOTAL 544378 MEAN 1491 MAX 8120 MIN 439 CFSM 2.57 IN 34.86
WTR YR 1980 TOTAL 458417 MEAN 1253 MAX 6600 MIN 263 CFSM 2.16 IN 29.35

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°25'02", long 82°09'10", Laurens County, Hydrologic Unit 03050109, on downstream side of Road S-30-36 bridge, 5.5 mi (8.8 km) northeast of Ware Shoals, 6.0 mi (9.7 km) downstream from Boyd Mill Dam, and at mile 8.7 (14.0 km).

DRAINAGE AREA.--236 mi² (611 km²), revised.

PERIOD OF RECORD.--March 1939 to current year.

REVISED RECORDS.--WSP 892: 1939. WSP 922: Drainage area. WSP 1723: 1940, 1943, 1948-49, 1952(M). WSP 1904: 1940, 1943, 1946, 1949, 1952.

GAGE.--Water-stage recorder. Datum of gage is 453.86 ft (137.973 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, at site 4.1 mi (6.6 km) upstream at datum 26.76 ft (8.156 m) higher.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion into basin by City of Greenville above station 02163500.

AVERAGE DISCHARGE.--41 years, 354 ft^3/s (10.02 m^3/s), 21.27 in/yr (540 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft^3/s (312 m^3/s) Sept. 14, 1973, gage height 15.40 ft (4.694 m); minimum, 2.7 ft^3/s (0.076 m^3/s) July 6, 1967, gage height 0.42 ft (0.128 m); minimum daily, 4.8 ft^3/s (0.14 m^3/s) Sept. 9, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft^3/s (70.8 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 22	1430	3,460	98.0	11.09	3.380	Apr. 15	1200	3,600	102	11.30	3.444
Mar. 29	2200	*4,210	119	*12.23	3.728	May. 22	0100	2,660	75.3	9.44	2.877

Minimum daily, 47 ft^3/s (1.33 m^3/s) Dec. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	451	432	47	238	388	284	1360	374	355	299	200	397
2	279	361	115	226	315	299	1260	361	337	284	176	414
3	245	414	270	217	299	304	1140	361	331	248	173	337
4	229	710	374	217	294	320	855	355	315	190	205	380
5	279	380	284	238	294	380	695	343	294	315	223	202
6	355	414	108	263	304	613	613	349	270	414	214	220
7	248	326	220	266	315	432	544	337	266	252	211	217
8	217	226	220	572	304	1100	681	355	270	214	197	214
9	232	229	220	1040	320	1410	960	361	259	252	178	211
10	220	232	220	470	572	1490	866	337	248	259	172	200
11	214	380	217	279	760	1270	639	326	248	232	205	188
12	205	924	200	380	470	1120	586	315	248	309	229	182
13	205	558	214	388	388	1090	780	263	242	238	217	176
14	203	361	214	374	355	1210	1180	159	235	203	223	172
15	197	315	214	710	349	1130	2940	150	229	200	200	167
16	79	289	214	380	355	760	1640	144	217	203	179	163
17	205	270	208	349	374	600	1300	149	208	200	176	160
18	203	255	214	985	343	977	1190	506	208	193	176	160
19	202	248	214	1210	315	1280	924	822	309	179	203	170
20	202	202	211	1260	315	1320	639	760	294	178	252	180
21	202	331	211	1160	309	1490	586	1650	242	205	232	200
22	195	441	211	844	309	2840	544	1620	226	232	200	190
23	197	337	211	600	315	1460	506	900	211	217	184	180
24	202	223	211	572	304	1250	460	1470	223	214	192	170
25	208	223	121	397	299	1220	451	1560	695	200	242	400
26	211	315	275	361	284	1220	432	822	1440	181	270	280
27	202	414	232	343	279	1100	423	639	790	178	226	220
28	202	423	220	337	279	1430	441	531	494	226	188	280
29	149	388	217	315	284	2820	397	531	374	255	309	550
30	82	284	156	309	---	2630	388	432	326	229	185	1500
31	441	---	252	331	---	1610	---	380	---	217	181	---
TOTAL	6961	10905	6515	15631	10091	36459	25420	17662	10404	7216	6418	8480
MEAN	225	364	210	504	348	1176	847	570	347	233	207	283
MAX	451	924	374	1260	760	2840	2940	1650	1440	414	309	1500
MIN	79	202	47	217	279	284	388	144	208	178	172	160
CFSM	.95	1.54	.89	2.14	1.48	4.98	3.59	2.42	1.47	.99	.88	1.20
IN.	1.10	1.72	1.03	2.46	1.59	5.75	4.01	2.78	1.64	1.14	1.01	1.34

CAL YR 1979 TOTAL 195406 MEAN 535 MAX 4720 MIN 22 CFSM 2.27 IN 30.80
WTR YR 1980 TOTAL 162162 MEAN 443 MAX 2940 MIN 47 CFSM 1.88 IN 25.56

02165200 SOUTH RABON CREEK NEAR GRAY COURT, S.C.

LOCATION.--Lat 34°31'12", long 82°09'26", Laurens County, Hydrologic Unit 03050109, on left bank, 125 ft (38 m) upstream from U.S. Highway 76, 2.5 mi (4.0 km) upstream from North Rabon Creek and 7.0 mi (11.3 km) southwest of Gray Court.

DRAINAGE AREA.--29.5 mi^2 (76.4 km^2).

PERIOD OF RECORD.--January 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 548.37 ft (167.143 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except period of no gage-height record Mar. 14 to Apr. 21, which is poor. Recording rain gage located at station.

AVERAGE DISCHARGE.--13 years, 41.4 ft^3/s (1.172 m^3/s), 19.06 in/yr (484 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 ft^3/s (116 m^3/s) Sept. 14, 1973, gage height, 9.86 ft (3.005 m); minimum daily, 6.9 ft^3/s (0.20 m^3/s) Aug. 29-31, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft^3/s (14.2 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Apr. 15	Unknown	*874	24.8	*3.49	1.064

Minimum daily, 6.9 ft^3/s (0.20 m^3/s) Aug. 29-31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	24	27	25	36	51	70	36	31	20	11	8.2
2	38	29	26	25	33	70	60	35	29	19	11	8.9
3	29	47	25	24	32	73	55	34	28	19	11	7.8
4	28	29	25	26	32	108	50	33	27	19	9.9	13
5	47	25	25	32	30	69	48	33	26	22	8.9	12
6	32	24	26	27	32	57	46	33	25	19	11	11
7	26	24	26	26	31	54	44	33	25	17	12	10
8	24	24	25	29	31	64	48	36	25	17	10	9.5
9	23	23	24	40	35	48	55	33	24	17	12	9.0
10	22	25	24	34	70	52	100	32	23	17	10	8.0
11	22	96	24	34	60	239	60	31	23	17	9.0	7.5
12	21	84	24	45	46	54	50	30	22	16	12	7.5
13	21	48	24	37	40	50	50	29	22	15	11	7.0
14	20	39	24	49	38	48	140	29	22	15	10	7.0
15	18	33	24	45	36	38	360	29	21	15	11	7.5
16	17	31	24	38	37	30	120	29	20	14	12	8.0
17	16	29	23	40	34	36	80	31	20	14	10	9.0
18	15	28	23	284	33	90	65	53	25	14	9.0	9.5
19	15	27	23	135	32	140	55	38	24	13	11	9.5
20	16	26	23	71	32	70	50	127	22	13	12	12
21	17	26	22	53	31	190	48	171	20	13	13	13
22	19	25	22	48	32	120	48	65	20	13	12	11
23	21	25	23	67	32	90	47	77	19	13	12	11
24	20	26	25	50	30	65	45	123	23	13	11	10
25	20	26	32	43	29	75	43	67	67	13	11	26
26	17	56	26	39	28	65	43	50	41	12	9.2	19
27	16	41	24	39	28	55	41	42	28	15	7.8	13
28	17	33	24	37	28	90	39	39	24	13	7.4	15
29	18	30	24	35	29	300	38	36	22	13	6.9	88
30	31	29	25	33	---	120	37	34	21	12	6.9	77
31	26	---	26	39	---	90	---	33	---	12	6.9	---
TOTAL	729	1032	762	1549	1017	2701	2035	1501	769	474	317.9	464.9
MEAN	23.5	34.4	24.6	50.0	35.1	87.1	67.8	48.4	25.6	15.3	10.3	15.5
MAX	57	96	32	284	70	300	360	171	67	22	13	88
MIN	15	23	22	24	28	30	37	29	19	12	6.9	7.0
CFSM	.80	1.17	.83	1.70	1.19	2.95	2.30	1.64	.87	.52	.35	.53
IN.	.92	1.30	.96	1.95	1.28	3.41	2.57	1.89	.97	.60	.40	.59

CAL YR 1979 TOTAL 13030.0 MEAN 35.7 MAX 125 MIN 14 CFSM 1.21 IN 16.43
WTR YR 1980 TOTAL 13351.8 MEAN 36.5 MAX 360 MIN 6.9 CFSM 1.24 IN 16.84

02166500 LAKE GREENWOOD NEAR CHAPPELLS, S.C.

LOCATION.--Lat 34°10'08", long 81°54'30", Newberry County, Hydrologic Unit 03050109, at left upstream end of dam on Saluda River, 0.7 mi (1.1 km) upstream from Wilson Creek and 2.4 mi (3.9 km) west of Chappells.

DRAINAGE AREA.--1,170 mi^2 (3,030 km^2), revised.

PERIOD OF RECORD.--May 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Dan T. Duncan Engineering Co.). Prior to June 11, 1940, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam; storage began in May 1940; dam completed in 1940. Usable capacity, about 7,640,000,000 ft^3 (216,000,000 m^3) between elevations 420.0 ft (128.02 m) (limit of drawdown) and 440.0 ft (134.11 m) (normal operating level) NGVD. Dead storage is about 3,500,000,000 ft^3 (99,000,000 m^3). Figures given herein represent usable contents. Elevation of spillway crest is 415.0 ft (126.49 m) and elevation of top of 1-1/2 ft (0.46 m) flashboards on top of spillway gages is 441.5 ft (134.57 m) NGVD. Water is used for generation of power.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 442.02 ft (134.728 m) Mar. 5, 1952; minimum elevation since normal reservoir level was first reached, 424.42 ft (129.363 m) Oct. 16, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 440.17 (134.164 m) May 21; minimum, 431.86 ft (131.631 m) Jan. 4.

Capacity table (elevation, in feet and meters) and usable contents
(in billions of cubic feet and millions of cubic meters)
(prepared from capacity curve drawn by D. T. Duncan, Engineer)

431.0 ft (131.37 m)	3.70 ft^3 (104.8 m^3)
433.0 ft (131.98 m)	4.51 ft^3 (127.7 m^3)
436.0 ft (132.89 m)	5.82 ft^3 (164.8 m^3)
439.0 ft (133.81 m)	7.18 ft^3 (203.3 m^3)
442.0 ft (134.72 m)	8.56 ft^3 (242.4 m^3)

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	436.84	434.30	432.68	432.08	432.58	435.54	440.06	439.59	439.87	439.41	439.39	439.54
2	436.83	434.01	432.81	432.12	432.70	435.60	439.98	439.52	439.89	439.57	439.40	439.35
3	436.67	434.35	432.56	431.93	432.94	435.68	439.85	439.60	439.71	439.60	439.46	439.37
4	436.62	435.20	432.28	431.87	432.87	435.83	439.69	439.68	439.69	439.69	439.39	439.39
5	436.45	435.26	432.08	432.02	432.78	435.80	439.36	439.57	439.56	439.74	439.37	439.36
6	436.58	435.13	432.08	432.22	432.79	435.88	438.97	439.51	439.52	439.58	439.39	439.41
7	436.64	434.89	432.10	431.99	433.06	436.02	438.58	439.49	439.61	439.41	439.44	439.46
8	436.33	434.67	432.17	432.34	433.22	436.19	438.24	439.56	439.70	439.42	439.49	439.34
9	436.03	434.34	432.36	432.48	433.54	437.27	438.21	439.46	439.66	439.55	439.47	439.34
10	435.87	434.42	432.08	432.36	433.91	437.81	438.39	439.60	439.60	439.39	439.31	439.36
11	435.68	434.42	432.03	432.13	433.84	437.81	438.59	439.69	439.52	439.52	439.23	439.33
12	435.45	434.20	432.06	432.36	433.92	437.57	438.71	439.61	439.51	439.56	439.30	439.25
13	435.52	433.88	431.88	432.58	433.77	437.59	438.83	439.62	439.59	439.51	439.39	439.26
14	435.52	433.75	432.08	432.45	434.00	437.73	439.47	439.51	439.69	439.53	439.45	439.25
15	435.32	433.51	432.15	432.53	433.96	437.62	440.05	439.45	439.79	439.43	439.47	439.23
16	435.13	433.24	432.26	432.44	434.11	437.56	439.98	439.53	439.51	439.49	439.47	439.17
17	434.98	433.24	431.96	432.42	434.31	437.83	440.04	439.64	439.60	439.47	439.48	439.23
18	434.79	433.32	431.99	433.58	434.52	437.67	439.96	439.87	439.54	439.53	439.50	439.19
19	434.55	433.03	432.12	434.34	434.56	437.94	439.77	439.89	439.60	439.56	439.45	439.23
20	434.56	432.78	431.98	434.41	434.70	438.15	439.53	440.11	439.54	439.54	439.43	439.33
21	434.61	432.47	431.94	434.19	434.85	438.81	439.24	440.08	439.60	439.48	439.47	439.38
22	434.47	432.22	432.04	433.92	434.89	439.97	439.32	439.88	439.53	439.50	439.56	439.26
23	434.39	432.23	432.08	433.62	435.05	439.97	439.40	439.82	439.51	439.46	439.57	439.13
24	434.23	432.44	432.15	433.25	435.15	440.03	439.30	440.10	439.47	439.52	439.63	439.19
25	434.04	432.51	432.19	432.79	435.37	440.05	439.58	439.94	439.58	439.60	439.49	439.14
26	434.15	432.41	432.09	432.84	435.28	440.02	439.89	439.63	439.52	439.63	439.55	438.98
27	434.33	432.53	432.11	432.65	435.17	439.92	439.76	439.62	439.47	439.47	439.49	439.10
28	434.42	432.75	432.07	432.40	435.35	439.89	439.69	439.70	439.64	439.58	439.44	439.44
29	434.19	432.70	432.17	432.36	435.46	439.97	439.66	439.61	439.59	439.42	439.43	439.75
30	434.27	432.51	432.26	432.28	---	439.81	439.47	439.49	439.52	439.31	439.49	440.05
31	434.37	---	431.92	432.51	---	440.06	---	439.76	---	439.36	439.50	---
MAX	436.84	435.26	432.81	434.41	435.46	440.06	440.06	440.11	439.89	439.74	439.63	440.05
MIN	434.04	432.22	431.88	431.87	432.58	435.54	438.21	439.45	439.47	439.31	439.23	438.98
(+)	5.10	4.30	4.06	4.30	5.59	7.67	7.39	7.53	7.42	7.35	7.41	7.66
(*)	-418	-309	-90	90	515	777	-108	52	-42	-26	22	96

CAL YR 1979 * -3 MAX 441.02 MIN 431.54
WTR YR 1980 * 46 MAX 440.11 MIN 431.87

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02167000 SALUDA RIVER AT CHAPPELLS, S.C.

LOCATION.--Lat 34°10'40", long 81°51'40", Newberry County, Hydrologic Unit 03050109, on left bank on downstream side of bridge on State Highway 39 at Chappells, 6.7 mi (10.8 km) downstream from dam at Lake Greenwood, 9.8 mi (15.8 km) upstream from Little River, and at mile 52.3 (84.2 km).

DRAINAGE AREA.--1,360 mi^2 (3,522 km^2).

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at practically same site since 1905 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 362.89 ft (110.609 m) National Geodetic Vertical Datum of 1929. Oct. 1, 1926 to Sept. 30, 1939, nonrecording or recording gage at site 300 ft (91 m) downstream at datum 363.79 ft (110.883 m) above mean sea level. Oct. 1, 1939 to Oct. 7, 1964, recording gage at present site and at datum 363.89 ft (110.914 m) above mean sea level.

REMARKS.--Records good. Flow regulated by Lake Greenwood (see sta. 02166500).

AVERAGE DISCHARGE.--54 years, 1,991 ft^3/s (56.38 m^3/s), 19.88 in/yr (505 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,700 ft^3/s (1,804 m^3/s), Oct. 2, 1929, gage height 32.5 ft (9.91 m), present datum, from rating curve extended above 27,000 ft^3/s (765 m^3/s) on basis of velocity-area studies; minimum, 8 ft^3/s (0.23 m^3/s) Oct. 29, 1939, caused by construction work above station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 26, 1908 reached a stage of 36.7 ft (11.19 m) (present site and datum), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,800 ft^3/s (731 m^3/s) Mar. 29 gage height, 24.24 ft (7.388 m); minimum, 58 ft^3/s (1.64 m^3/s) Oct. 27, Nov. 6; minimum daily, 136 ft^3/s (3.85 m^3/s) June 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2900	2290	1830	1560	1880	1060	6490	2560	724	1530	964	315
2	2950	3010	855	1360	1700	1270	5290	1560	1580	1410	567	1410
3	3100	1860	2440	2010	628	752	4980	1300	2270	1600	440	955
4	2980	1470	3060	1880	1960	1000	4920	1470	2170	451	232	884
5	3240	2520	2940	1390	2150	1620	4890	2700	1680	704	981	915
6	1860	4030	1730	668	1720	1920	4860	2320	1870	881	756	418
7	1240	2980	1640	2100	721	2270	4830	2170	1130	1120	690	344
8	2530	2880	1490	1230	839	3960	4850	1240	996	1700	439	835
9	2980	3090	765	3570	1330	6670	5010	2020	1250	1700	423	877
10	2280	2020	2270	3530	2510	5790	3680	1290	1610	824	355	481
11	2350	2690	1930	3220	3140	5020	2680	867	1610	832	969	593
12	2080	4880	1380	1820	2550	5030	2890	2220	1480	1950	1050	738
13	1260	4750	1960	1340	2880	6240	2460	1960	740	385	677	457
14	918	2860	783	2660	1190	5750	4270	1170	741	513	344	343
15	1650	2990	952	2890	1710	5060	7110	2030	525	988	356	509
16	2110	2970	911	3040	1490	1820	9180	622	1540	892	378	652
17	1870	2070	2170	3190	866	2630	6010	977	1640	1140	351	437
18	2090	1200	1450	4890	828	5740	5110	980	1870	333	304	563
19	2070	2340	853	6890	1440	5340	4850	2740	1290	1040	689	590
20	1220	2580	1570	5800	959	5120	4830	3410	1370	464	965	351
21	831	2840	1320	5000	918	6260	4790	5200	1060	300	445	406
22	1560	2500	801	4830	1270	7620	2710	6470	736	964	457	1060
23	1880	1490	336	5210	964	8170	2130	5040	136	1290	744	1320
24	2050	815	964	5020	971	5680	3090	4620	1830	1020	347	657
25	2060	901	955	4810	760	6050	1360	4910	2060	715	1080	1780
26	853	2460	1660	2350	1450	5630	370	4760	2630	583	353	2050
27	413	3070	1780	2760	1690	4960	3380	4570	2450	381	786	782
28	387	3090	1660	3170	798	7110	2210	2270	2480	763	822	737
29	1670	2940	948	2360	804	22600	2750	1970	1730	1200	586	2850
30	841	2950	1120	2260	---	17600	2720	2810	682	647	397	4630
31	1310	---	2470	1540	---	9480	---	1400	---	1420	353	---
TOTAL	57533	78536	47493	94348	42116	175422	124700	79626	43880	29740	18300	28939
MEAN	1856	2618	1532	3043	1452	5659	4157	2569	1463	959	590	965
MAX	3240	4880	3060	6890	3140	22600	9180	6470	2630	1950	1080	4630
MIN	387	815	765	668	628	752	370	622	136	300	232	315

CAL YR 1979 TOTAL 945560 MEAN 2591 MAX 15100 MIN 345
WTR YR 1980 TOTAL 820633 MEAN 2242 MAX 22600 MIN 136

02168500 LAKE MURRAY NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°03'07", long 81°13'15", Lexington County, Hydrologic Unit 03050109, in intake tower 500 ft (152 m) upstream from dam on Saluda River and 10.0 mi (16.1 km) upstream from confluence of Saluda and Broad Rivers at Columbia.

DRAINAGE AREA.--2,420 mi^2 (6,270 km^2), approximately.

PERIOD OF RECORD.--August 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.64 ft (0.195 m) below National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1930, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam; storage began Aug. 31, 1929; dam completed in 1930. Usable capacity, 70,300,000,000 ft^3 (1,990,000,000 m^3) between gage heights 300.0 ft (91.44 m) (limit of drawdown) and 360.0 ft (109.73 m) (maximum normal lake level). Dead storage, 21,800,000,000 ft^3 (617,000,000 m^3). Figures given herein represent usable contents. Gage height of one spillway crest (completed in 1946), 330 ft (100.6 m) with top of gages 362 ft (110.3 m); gage height of other spillway crest, 340 ft (103.6 m) with top of gages 365 ft (111.3 m). Water is used for generation of power.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 361.51 ft (110.188 m) Apr. 10, 1936; minimum gage height since generation of power was started 320.96 ft (97.829 m) Dec. 23, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, unknown, May 27; minimum gage height, 350.67 ft (106.884 m) Dec. 22.

Capacity table (gage height, in feet and meters),
and usable contents (in billions of cubic feet and millions of cubic meters)
(Prepared by Lexington Water Power Co. from topographic map, contour survey,
and study of change in reservoir elevation due to inflow)

350 ft (106.7 m)	50.77 ft^3 (1,438.0 m^3)
352 ft (107.3 m)	54.30 ft^3 (1,538.0 m^3)
356 ft (108.5 m)	61.91 ft^3 (1,753.3 m^3)
358 ft (109.1 m)	66.00 ft^3 (1,869.1 m^3)
360 ft (109.7 m)	70.30 ft^3 (1,990.9 m^3)

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354.40	353.70	351.91	351.36	353.47	353.20	358.40	358.04	358.90	358.13	355.35	354.45
2	354.40	353.80	351.79	351.31	353.40	352.90	358.00	358.01	358.70	358.12	355.33	354.45
3	354.30	353.80	351.49	351.01	353.26	352.40	358.00	358.01	358.70	358.07	355.30	354.34
4	354.40	353.80	351.48	351.10	353.01	352.20	357.90	358.03	358.60	358.05	355.28	354.29
5	354.60	353.70	351.50	351.10	352.89	352.20	358.00	358.07	358.60	357.84	355.14	354.19
6	354.70	353.50	351.54	350.97	352.85	352.30	358.10	358.13	358.60	357.77	355.03	354.17
7	354.70	353.50	351.57	350.99	352.72	352.40	358.10	358.15	358.60	357.61	354.82	354.14
8	354.70	353.40	351.56	351.20	352.76	353.30	358.10	358.19	358.60	357.35	354.70	354.00
9	354.80	353.00	351.55	351.45	352.94	353.90	357.90	358.24	358.50	356.95	354.66	353.88
10	354.70	353.00	351.59	351.67	353.67	354.50	357.90	358.29	358.50	356.61	354.64	353.86
11	354.70	353.00	351.55	351.91	353.96	354.60	357.80	358.30	358.40	356.59	354.60	353.85
12	354.70	352.90	351.47	352.04	354.09	355.20	357.90	358.21	358.40	356.54	354.62	353.75
13	354.70	352.90	351.47	352.16	354.19	355.40	358.10	358.16	358.40	356.41	354.44	353.72
14	354.70	352.70	351.45	352.39	354.25	355.40	358.00	358.14	358.40	356.37	354.46	353.69
15	354.70	352.60	351.45	352.57	354.15	355.60	357.90	358.17	358.30	356.09	354.45	353.29
16	354.50	352.60	351.46	352.70	354.33	355.70	357.90	358.14	358.30	355.91	354.45	352.98
17	354.60	352.50	351.20	352.97	354.29	356.10	357.90	358.14	358.20	355.75	354.33	353.13
18	354.50	352.50	351.00	355.55	354.16	356.40	357.93	358.17	358.30	355.77	354.31	353.12
19	354.50	352.57	350.90	354.02	354.07	356.20	358.08	358.20	358.30	355.67	354.32	353.15
20	354.50	352.57	350.73	354.43	354.08	356.30	358.25	358.40	358.30	355.50	354.37	353.17
21	354.50	352.53	350.69	354.71	353.41	356.50	358.39	358.50	358.30	355.46	354.41	353.16
22	354.30	352.55	350.71	355.01	353.46	356.60	358.44	358.60	358.20	355.42	354.51	353.02
23	354.20	352.62	350.71	355.28	353.46	356.70	358.19	358.70	358.20	355.38	354.46	352.75
24	354.20	352.60	350.80	355.15	353.51	356.90	358.05	358.80	358.41	355.40	354.46	352.93
25	354.20	352.48	350.85	355.00	353.61	356.90	357.98	358.80	358.58	355.34	354.49	352.06
26	354.00	352.43	350.90	355.10	353.40	356.70	357.91	358.90	358.60	355.33	354.49	352.14
27	354.00	352.50	350.96	355.22	353.30	356.50	358.01	359.00	358.23	355.34	354.48	352.18
28	353.90	352.51	351.03	354.83	353.30	357.00	357.99	358.90	358.32	355.34	354.49	352.45
29	353.80	352.19	351.08	354.56	353.30	357.50	358.00	358.90	358.31	355.32	354.46	352.96
30	353.70	352.04	351.16	354.14	---	358.30	358.02	358.90	358.16	355.35	354.46	354.44
31	353.70	---	351.22	353.88	---	358.50	---	358.90	---	355.36	354.46	---
MAX	354.80	353.80	351.91	355.55	354.33	358.50	358.44	359.00	358.90	358.13	355.35	354.45
MIN	353.70	352.04	350.69	350.97	352.72	352.20	357.80	358.01	358.16	355.32	354.31	352.06
(+)	57.45	54.38	52.91	57.79	56.70	67.06	66.04	67.92	66.34	60.65	58.90	58.86
(*)	-426	-1184	-549	1822	-435	3868	-394	702	-610	-2124	-654	-15

CAL YR 1979 (*) -86 MAX 358.90 MIN 351.91
WTR YR 1980 (*) 9 MAX 359.00 MIN 350.69

(+) CONTENTS, IN BILLIONS OF GALLONS, AT END OF MONTH.
(*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02169000 SALUDA RIVER NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, Hydrologic Unit 03050109, on left bank 0.4 mi (0.6 km) upstream from site of Old Saluda Mill, 1.6 mi (2.6 km) upstream from confluence with Broad River and 3.3 mi (5.3 km) west of State Capital in Columbia, and at mile 1.67 (2.69 km).

DRAINAGE AREA.--2,520 mi^2 (6,527 km^2).

PERIOD OF RECORD.--August 1925 to current year.

GAGE.--Water-stage recorder. Datum of gage is 194.46 ft (45.555 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 1, 1929, at same site at datum 150.46 ft (45.860 m) above mean sea level.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500) and Lake Greenwood (see sta 02166500).

AVERAGE DISCHARGE.--55 years, 2,929 ft^3/s (82.95 m^3/s), 15.78 in/yr (401 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,000 ft^3/s (1,900 m^3/s) Oct. 2, 1929, gage height, 15.22 ft (4.639 m), from rating curve extended above 36,000 ft^3/s (1,020 m^3/s) on basis of discharge measurements made at Wise Ferry Bridge near Chapin; minimum, 11 ft^3/s (0.31 m^3/s) July 13, 1930; minimum daily, 12 ft^3/s (0.34 m^3/s) July 13, 1930, caused by construction work above station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown, gage height, unknown; minimum, 280 ft^3/s (7.93 m^3/s) Oct. 21; minimum daily, 395 ft^3/s (11.2 m^3/s) Aug. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2660	2000	6190	499	10900	1760	11700	2540	1250	1960	461	421
2	3380	2220	2530	2230	5750	9070	12000	2140	2410	1590	435	422
3	4560	2090	7680	7310	3440	12800	13100	1950	2900	1590	655	3240
4	2200	1800	2850	2030	8810	5880	18600	1570	5060	1490	525	2620
5	2070	3020	2250	2730	4970	2760	2920	1430	1810	1910	2920	1910
6	524	6400	1970	2370	3930	1640	2150	1120	1620	2800	3370	615
7	421	3670	1480	1580	3650	1180	4530	1000	1590	8310	5090	420
8	1070	7420	1180	744	1960	942	8410	1000	1280	5840	2990	3250
9	1940	10900	1350	728	1210	691	12100	515	1530	7620	872	3530
10	1840	5080	1310	535	1290	604	7730	432	1660	8760	710	929
11	1730	3680	2820	605	1930	756	4360	431	1460	9440	1880	408
12	1600	7990	3070	539	2200	5800	1320	2860	1300	1990	465	2280
13	2240	4920	2150	505	2900	11500	930	4310	815	1210	3170	1310
14	2090	6520	1420	690	2370	9040	8510	1750	942	1810	1540	603
15	3370	6370	1360	581	2120	2940	10400	1220	3080	4030	408	5210
16	3150	4100	1290	524	1620	1460	10600	1460	2370	6540	427	7180
17	1780	3220	5380	535	1320	5450	9270	1280	1320	3360	430	1940
18	1430	2600	7790	1360	2740	6000	2590	1450	1590	2650	408	436
19	3070	1940	2740	1210	2740	10800	1610	2710	1540	1960	419	415
20	2480	3130	4340	632	1760	11100	1360	2270	1530	2730	405	400
21	902	2600	2460	524	1140	11000	1920	2730	1470	2380	395	400
22	4540	1340	1170	523	1780	7380	2330	2520	564	2000	516	2460
23	4860	1390	411	3010	2100	7440	8290	2240	1210	1930	419	4600
24	3940	1930	428	9960	714	10900	6630	3420	2200	1700	408	1610
25	2950	2120	462	8970	730	8610	4270	3420	2020	1550	406	492
26	2900	2620	490	1850	4050	10600	2630	3280	2240	762	408	411
27	2430	4050	438	840	5020	11200	983	4490	8690	470	408	416
28	1580	3540	427	9690	2650	11700	2140	4130	2820	1240	419	843
29	1970	6050	425	11800	1590	18000	2290	3640	2460	655	416	1910
30	2310	8590	455	10700	---	24000	2150	2050	2290	537	416	1710
31	1980	---	701	12300	---	19000	---	2410	---	735	420	---
TOTAL	73967	123300	69017	98104	87384	242003	177823	67768	63021	91549	32211	52391
MEAN	2386	4110	2226	3165	3013	7807	5927	2186	2101	2953	1039	1746
MAX	4860	10900	7790	12300	10900	24000	18600	4490	8690	9440	5090	7180
MIN	421	1340	411	499	714	604	930	431	564	470	395	400

CAL YR 1979 TOTAL 1325359 MEAN 3631 MAX 12900 MIN 365
WTR YR 1980 TOTAL 1178538 MEAN 3220 MAX 24000 MIN 395

SANTEE RIVER BASIN

02169500 CONGAREE RIVER AT COLUMBIA, S.C.
(National stream-quality accounting network station)

LOCATION.--Lat 33°59'35", long 81°03'00", Lexington County, Hydrologic Unit 03050110, on right bank at Columbia, 1,000 ft (300 m) downstream from Gervais Street Bridge, 1.4 mi (2.3 km) downstream from confluence of Broad and Saluda Rivers, and at mile 174.8 (281.3 km).

DRAINAGE AREA.--7,850 mi^2 (20,330 km^2), approximately.

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 1,000 ft (300 m) upstream October 1891 to December 1933 and at present site since January 1934 are contained in reports of National Weather Service.

GAGE.--Water-stage recorders. Datum of gage is 113.02 ft (34.448 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500), and Lake Greenwood (see sta 02166500) on Saluda River and to some extent, at low and medium flow, by powerplants on Broad River. City of Columbia diverted about 65 ft^3/s (1.84 m^3/s) above station for municipal supply.

AVERAGE DISCHARGE.--41 years, 9,425 ft^3/s (266.9 m^3/s), 16.30 in/yr (414 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155,000 ft^3/s (4,390 m^3/s) Oct. 11, 1976, gage height, 29.74 ft (9.065 m); minimum, 588 ft^3/s (16.7 m^3/s) Jan. 19, 1942, gage height 0.94 ft (0.287 m); minimum daily, 662 ft^3/s (18.7 m^3/s) Oct. 18, 1954.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Maximum flood since at least Oct. 1891, discharge 364,000 ft^3/s (10,300 m^3/s), Aug. 27, 1908, gage height, 39.8 ft (12.13 m), present datum, at site 1,000 ft (300 m) upstream, from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 93,100 ft^3/s (2,640 m^3/s) Mar. 30, gage height, 23.29 ft (7.099 m); minimum, 719 ft^3/s (20.4 m^3/s), Aug. 29, 30, gage height, 1.44 ft (0.439 m); minimum daily, 1,250 ft^3/s (35.4 m^3/s) Aug. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24300	5870	12700	5330	16300	4050	46300	8040	6700	6940	4700	2330
2	33600	6520	6670	6710	11600	14700	42300	7960	7860	6880	4020	3390
3	24800	6510	10200	14200	9220	17800	26700	7730	8280	6530	3030	4550
4	9210	14600	9570	6050	12300	11800	19100	7010	9940	6810	2560	7110
5	10300	18900	6950	6270	10100	6890	13800	6800	7320	6940	5570	3900
6	6250	17400	5710	6010	8940	6200	11800	6740	6630	8350	7650	3770
7	6660	7830	4870	5510	8900	7230	11600	6230	6280	7660	7110	2430
8	6710	10600	5720	4620	7300	13400	15400	5760	4580	9980	5280	4800
9	11000	15500	6650	8720	6800	30000	18900	5500	5070	11700	3610	4540
10	6860	10900	4900	11200	9190	28300	24000	6080	5080	13500	1250	3880
11	6740	8030	6060	7780	14400	17400	18700	6040	5550	13000	3130	3580
12	6630	22300	6620	6830	13700	16900	11400	6880	5320	8750	1490	4770
13	6790	24100	6120	9540	11300	39200	10800	11100	4890	5000	4220	2920
14	7030	15700	6660	11500	8080	27400	21000	7020	4900	3890	7620	2520
15	8020	17400	6260	12900	7620	16700	34800	5430	6150	5890	2160	5380
16	7930	9400	5850	10600	7150	9510	46800	5160	5400	9020	2640	8050
17	5650	9290	8700	9890	8110	7340	35000	6430	5080	7290	1760	3680
18	2750	6740	11600	16700	8290	18600	19800	4760	5570	5890	1800	1670
19	5720	6580	7790	33900	8300	35400	13300	9070	4920	5700	3090	3080
20	7890	8050	9120	34300	8010	33000	10300	14700	5510	6170	3680	4150
21	5540	6890	7550	22100	6920	36100	10700	12100	6540	5490	3630	4540
22	6660	6590	4920	13000	7130	52100	10500	25400	5520	5170	3970	5100
23	7550	5730	2570	15700	7640	53000	14900	21900	6160	4510	1290	6160
24	8060	6920	4310	20000	6420	38800	14400	16700	5550	4180	4040	5360
25	7090	6750	4570	15500	5670	33800	11700	17800	9260	4740	3870	4380
26	6700	6590	4560	8820	8880	33700	10400	21600	19400	3900	3610	2840
27	4440	9100	4830	8230	10200	31300	6710	17400	41200	3320	3210	4770
28	5010	10100	5220	16000	8000	29200	8420	14100	24900	3210	2430	5250
29	4370	11700	5010	21400	5970	66500	9200	16300	15300	4720	1510	10700
30	6370	22200	5060	17800	---	88300	8760	7470	7170	4430	1390	21600
31	5860	---	5390	17300	---	72000	---	8040	---	5200	2930	---
TOTAL	272490	334790	202710	404410	262440	896620	557490	323250	262030	204760	108250	151200
MEAN	8790	11160	6539	13050	9050	28920	18580	10430	8734	6605	3492	5040
MAX	33600	24100	12700	34300	16300	88300	46800	25400	41200	13500	7650	21600
MIN	2750	5730	2570	4620	5670	4050	6710	4760	4580	3210	1250	1670

CAL YR 1979 TOTAL 4225420 MEAN 11580 MAX 89000 MIN 1850
WTR YR 1980 TOTAL 3980440 MEAN 10880 MAX 88300 MIN 1250

02169550 CONGAREE CREEK AT CAYCE, S.C.

LOCATION.--Lat 33°56'15", long 81°04'40", Lexington County, Hydrologic Unit 03050110, on left bank 20 ft (6 m) downstream from bridge on U.S. Highway 21 at Cayce, 2.1 mi (3.4 km) upstream from Sixmile Creek, and at mile 5.4 (8.7 km).

DRAINAGE AREA.--122 mi^2 (316 km^2).

PERIOD OF RECORD.--October 1959 to September 1980 (discontinued). Occasional low-flow measurements, water years 1925, 1944, 1949-59.

GAGE.--Water-stage recorder. Datum of gage is 128.98 ft (39.313 m) National Geodetic Vertical Datum of 1929 (South Carolina Highway Department benchmark). Prior to Jan. 20, 1960, nonrecording gage at same site and datum.

REMARKS.--Records good. About 3.3 ft^3/s (0.093 m^3/s) diverted by City of Cayce for municipal supply.

AVERAGE DISCHARGE.--21 years, 222 ft^3/s (6.287 m^3/s), 24.71 in/yr (628 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,840 ft^3/s (52.1 m^3/s) Oct. 1, 1959, gage height, 5.92 ft (1.804 m), from floodmarks; minimum daily, 111 ft^3/s (3.14 m^3/s) June 20, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 73.2 ft^3/s (2.07 m^3/s) was measured on May 10, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 600 ft^3/s (17.0 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 29	2100	*650	18.4	*4.29	1.308

Minimum daily, 115 ft^3/s (3.26 m^3/s) Sept. 18, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	387	165	179	211	251	172	414	200	158	153	140	157
2	297	171	178	217	238	183	312	187	159	150	135	163
3	252	243	177	208	195	191	262	183	157	150	130	147
4	238	318	174	198	174	195	252	178	151	151	130	146
5	229	280	176	200	166	212	247	182	148	171	126	140
6	234	212	187	195	169	237	225	222	148	176	124	160
7	200	183	211	187	186	224	209	234	158	160	125	160
8	178	174	199	190	196	226	213	200	161	152	126	145
9	170	172	186	212	198	277	255	191	154	148	134	140
10	165	171	194	221	253	286	292	186	150	146	156	140
11	164	207	190	222	294	238	285	173	145	151	158	135
12	163	318	185	234	274	211	240	173	142	154	146	135
13	161	349	192	215	222	397	240	167	142	147	150	135
14	157	283	196	217	198	563	306	163	142	142	145	130
15	154	225	188	247	190	417	319	164	145	136	135	130
16	156	195	213	240	195	297	283	161	142	135	139	125
17	157	187	221	211	211	243	251	158	141	135	137	120
18	157	182	204	231	196	291	233	169	159	134	136	115
19	158	179	199	270	187	392	220	173	171	139	136	115
20	158	176	191	273	183	349	215	251	166	136	130	120
21	159	174	186	237	183	298	212	439	161	135	124	150
22	158	176	182	212	192	314	207	385	156	132	153	140
23	157	177	186	234	200	314	199	282	151	134	215	130
24	159	179	185	262	199	280	194	229	164	137	203	125
25	157	182	204	243	191	323	191	228	233	148	163	120
26	157	213	209	209	170	351	188	211	294	156	152	150
27	154	247	203	225	169	297	188	188	289	145	146	150
28	153	218	198	246	171	297	185	177	221	143	141	130
29	153	199	183	233	170	577	186	170	174	157	139	240
30	159	192	185	203	---	635	208	165	163	151	137	500
31	170	---	215	217	---	550	---	159	---	145	137	---
TOTAL	5671	6347	5976	6920	5821	9837	7231	6348	5045	4549	4448	4593
MEAN	183	212	193	223	201	317	241	205	168	147	143	153
MAX	387	349	221	273	294	635	414	439	294	176	215	500
MIN	153	165	174	187	166	172	185	158	141	132	124	115
CFSM	1.50	1.74	1.58	1.83	1.65	2.60	1.98	1.68	1.38	1.21	1.17	1.25
IN.	1.73	1.94	1.82	2.11	1.77	3.00	2.20	1.94	1.54	1.39	1.36	1.40

CAL YR 1979 TOTAL 78915 MEAN 216 MAX 1020 MIN 135 CFSM 1.77 IN 24.06
WTR YR 1980 TOTAL 72786 MEAN 199 MAX 635 MIN 115 CFSM 1.63 IN 22.19

02169570 GILLS CREEK AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'22", long 80°58'28", Richland County, Hydrologic Unit 03050110, at upstream side of bridge on U.S. Highway 378 and 76 (Devine Street) at Columbia, 0.75 mi (1.21 km) downstream from Lake Katherine, and at mile 7.7 (12.4 km).

DRAINAGE AREA.--59.6 mi^2 (154.4 km^2).

PERIOD OF RECORD.--Water years 1964-66 (annual maximum), September 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.38 ft (41.873 m) National Geodetic Vertical Datum of 1929. Apr. 1, 1964 to Aug. 6, 1966, crest-stage gage at same site and datum.

REMARKS.--Records good. Some possible interruption of natural flow by private lakes upstream.

AVERAGE DISCHARGE.--14 years, 77.9 ft^3/s (2.206 m^3/s), 17.75 in/yr (451 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,880 ft^3/s (81.6 m^3/s) Feb. 24, 1979, gage height, 8.66 ft (2.640 m); minimum daily, 9.4 ft^3/s (0.27 m^3/s) Nov. 5, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft^3/s (14.2 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 2	2200	*775	21.9	*5.84	1.780	Mar. 28	2400	*775	21.9	*5.84	1.780
Mar. 13	0300	634	18.0	5.44	1.658	June 25	2200	520	14.7	5.07	1.545
Mar. 18	0100	523	14.8	5.08	1.548	Sept. 29	1000	713	20.2	5.68	1.731

Minimum daily, 9.8 ft^3/s (0.278 m^3/s) Sept. 24, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	56	50	89	137	40	264	30	23	21	13	14
2	102	219	47	80	123	46	174	24	22	18	14	13
3	113	335	43	66	111	54	161	21	20	18	13	13
4	89	171	42	61	102	56	144	19	20	19	12	13
5	107	107	42	59	92	75	125	19	19	21	13	13
6	77	76	53	71	97	76	114	19	19	19	13	13
7	64	61	65	82	91	70	114	19	19	18	13	12
8	51	53	65	139	87	157	139	22	19	17	12	12
9	42	48	59	244	110	144	163	28	18	17	12	12
10	37	46	51	186	227	137	135	28	18	20	12	12
11	33	233	46	201	165	112	116	28	17	23	12	12
12	30	276	43	160	141	226	102	28	17	19	14	12
13	29	199	43	137	116	492	268	27	17	17	13	11
14	28	135	43	154	102	358	350	26	17	15	13	11
15	26	96	41	131	93	196	276	26	17	15	12	11
16	25	76	49	125	106	140	183	25	17	14	28	11
17	24	65	48	131	91	157	135	26	18	14	19	10
18	24	59	46	244	83	380	114	28	20	14	14	10
19	24	55	43	198	77	286	103	33	19	14	22	10
20	24	52	42	171	71	220	98	227	18	13	102	10
21	24	50	40	146	58	249	91	244	17	13	59	10
22	24	48	39	146	63	217	84	126	17	12	126	10
23	25	50	39	217	71	150	78	72	17	13	101	10
24	24	50	45	173	73	190	71	54	48	12	55	9.8
25	22	51	62	157	66	187	65	46	181	13	35	10
26	21	92	61	152	52	158	50	41	242	13	26	10
27	22	79	56	170	41	129	40	34	90	13	20	9.8
28	22	75	50	142	36	390	34	30	49	12	17	129
29	23	65	44	131	34	713	34	28	34	13	16	636
30	29	56	57	121	---	631	33	26	26	13	14	568
31	36	---	62	173	---	477	---	24	---	13	14	---
TOTAL	1322	3034	1516	4457	2716	6913	3858	1428	1095	486	859	1637.6
MEAN	42.6	101	48.9	144	93.7	223	129	46.1	36.5	15.7	27.7	54.6
MAX	113	335	65	244	227	713	350	244	242	23	126	636
MIN	21	46	39	59	34	40	33	19	17	12	12	9.8
CFSM	.72	1.70	.82	2.42	1.57	3.74	2.16	.77	.61	.26	.47	.92
IN.	.83	1.89	.95	2.78	1.70	4.31	2.41	.89	.68	.30	.54	1.02

CAL YR 1979 TOTAL 32695.0 MEAN 89.6 MAX 1710 MIN 19 CFSM 1.50 IN 20.41
WTR YR 1980 TOTAL 29321.6 MEAN 80.1 MAX 713 MIN 9.8 CFSM 1.34 IN 18.30

02169630 BIG BEAVER CREEK NEAR ST. MATTHEWS, S.C.

LOCATION.--Lat 33°44'12", long 80°57'30", Calhoun County, Hydrologic Unit 03050110, on right downstream wingwall of bridge on U.S. Highway 21, 0.1 mi (0.2 km) downstream from Rock Branch, 11.6 mi (18.7 km) northwest of St. Matthews, and at mile 8.2 (13.2 km).

DRAINAGE AREA.--10.0 mi^2 (25.9 km^2).

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 164.21 ft (50.1 m), National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Recording rain gage located at station.

AVERAGE DISCHARGE.--14 years, 14.3 ft^3/s (0.405 m^3/s), 19.42 in/yr (493 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft^3/s (38.5 m^3/s) July 29, 1971, gage height 6.66 ft (2.030 m); minimum daily, 4.7 ft^3/s (0.13 m^3/s) July 3, 12, Aug. 4, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft^3/s (2.83 m^3/s) and maximum (*):
No peaks above base.
Maximum discharge, 68 ft^3/s (1.93 m^3/s) Mar. 13, gage height 3.66 ft (1.116 m).
Minimum daily, 7.0 ft^3/s (0.20 m^3/s) Sept. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	13	15	16	20	14	29	17	12	9.3	8.3	8.8
2	15	17	15	15	18	16	27	17	11	9.1	8.2	8.8
3	14	25	14	15	17	16	28	17	11	9.1	8.2	8.8
4	14	15	15	15	17	16	28	17	11	12	8.3	8.6
5	20	14	15	15	17	18	24	16	10	17	8.3	11
6	17	14	17	14	18	17	23	15	11	11	8.2	11
7	15	14	17	15	18	15	23	14	11	9.7	8.3	9.0
8	14	14	13	16	17	23	27	15	12	9.5	8.3	8.8
9	13	13	12	17	21	22	33	16	10	9.3	8.5	8.8
10	14	13	12	17	28	18	26	16	9.8	9.3	8.5	8.8
11	14	34	12	20	21	17	24	15	9.5	9.1	9.1	8.8
12	14	27	12	17	19	26	23	15	9.5	9.0	10	8.8
13	15	19	12	16	17	55	26	14	9.5	8.8	11	8.8
14	14	17	13	16	17	31	33	14	9.5	8.6	9.5	8.8
15	17	16	12	20	17	24	27	14	9.5	8.6	8.6	8.0
16	15	16	15	17	20	22	24	13	9.3	8.5	8.8	7.0
17	17	15	14	17	17	22	23	14	11	8.5	8.6	7.0
18	14	15	13	18	16	29	22	16	22	8.5	8.6	7.1
19	14	15	14	23	16	23	22	16	15	8.3	11	7.1
20	15	15	14	19	16	25	22	24	12	8.3	13	10
21	13	15	14	17	16	30	21	20	11	8.3	9.7	9.3
22	13	15	14	16	21	25	21	16	10	8.2	17	8.2
23	14	15	14	23	19	22	20	17	10	8.2	11	7.9
24	14	15	15	19	17	24	19	16	16	8.2	9.3	7.6
25	14	14	17	17	16	26	18	15	20	8.2	9.1	10
26	13	19	15	17	14	22	18	14	16	8.5	9.0	10
27	13	15	15	19	14	21	18	13	12	8.2	9.0	8.6
28	13	14	14	18	14	36	18	12	11	9.0	8.8	15
29	13	14	14	16	14	48	18	12	10	13	8.8	36
30	12	14	20	16	---	41	18	12	9.7	10	8.8	30
31	12	---	17	25	---	34	---	12	---	8.5	8.8	---
TOTAL	455	491	445	541	512	778	703	474	351.3	289.8	290.6	316.4
MEAN	14.7	16.4	14.4	17.5	17.7	25.1	23.4	15.3	11.7	9.35	9.37	10.5
MAX	26	34	20	25	28	55	33	24	22	17	17	36
MIN	12	13	12	14	14	14	18	12	9.3	8.2	8.2	7.0
CFSM	1.47	1.64	1.44	1.75	1.77	2.51	2.34	1.53	1.17	.94	.94	1.05
IN.	1.69	1.83	1.66	2.01	1.90	2.89	2.61	1.76	1.31	1.08	1.08	1.18

CAL YR 1979 TOTAL 6309.5 MEAN 17.3 MAX 165 MIN 9.0 CFSM 1.73 IN 23.47
WTR YR 1980 TOTAL 5647.1 MEAN 15.4 MAX 55 MIN 7.0 CFSM 1.54 IN 21.01

02169850 LAKE MARION AT BUCKINGHAM LANDING NEAR LONE STAR, S.C.

LOCATION.--Lat 33°40'54", long 80°34'14", Calhoun County, Hydrologic Unit 03050111, on right bank 6.0 mi (9.7 km) downstream from confluence of Wateree and Congaree Rivers, 3.8 mi (6.1 km) north of Lone Star and at mile 118.2 (190 km).

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority).

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; dam completed in 1941 (see sta 02171000).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 82.38 ft (25.109 m) Apr. 2; minimum 73.01 ft (22.253 m) Sept. 16.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77.41	76.01	77.58	75.34	77.83	75.25	82.28	77.49	77.64	77.99	75.47	73.72
2	77.70	76.04	77.60	75.21	77.82	76.04	82.05	77.41	77.27	77.61	75.37	73.74
3	77.96	76.38	77.36	76.26	77.69	76.80	81.25	77.37	77.11	77.34	74.81	74.09
4	78.41	76.79	77.39	76.50	77.40	76.97	80.46	77.24	77.15	77.22	74.38	74.60
5	78.59	77.18	77.23	75.90	77.31	76.96	79.60	77.02	77.27	76.99	74.59	74.29
6	78.37	77.36	76.92	75.87	77.21	76.68	79.04	76.87	77.05	76.76	75.78	74.16
7	77.97	77.49	76.49	75.63	77.09	76.36	78.64	76.80	76.88	76.94	75.78	73.91
8	77.71	77.39	76.31	75.25	76.89	76.50	78.50	76.63	76.44	76.98	75.87	73.80
9	77.72	77.43	76.33	75.56	76.65	77.15	78.40	76.55	76.13	77.17	75.45	74.19
10	77.68	77.47	76.16	76.44	76.75	77.44	78.39	76.61	76.04	77.36	74.53	74.64
11	77.55	77.54	75.82	76.47	76.84	77.69	78.41	76.48	76.05	77.45	74.31	74.27
12	77.44	77.51	76.10	76.36	77.06	78.11	78.51	76.23	76.06	77.54	74.36	74.09
13	77.31	77.66	76.04	76.49	77.18	78.25	78.48	76.74	75.86	77.32	74.32	74.13
14	77.26	77.83	75.58	76.55	77.16	78.38	78.24	76.80	75.72	76.69	75.38	73.83
15	77.21	78.06	75.58	76.90	76.97	78.81	78.06	76.75	75.74	76.39	74.58	73.68
16	77.22	78.15	75.45	77.01	76.76	79.01	78.13	76.42	75.70	76.64	73.87	74.41
17	77.12	78.05	75.14	76.99	76.54	78.82	78.54	76.31	76.09	76.98	73.90	74.93
18	76.61	77.81	75.97	76.99	76.53	78.26	79.22	76.30	75.99	76.81	73.74	73.85
19	76.14	77.44	76.41	77.22	76.27	78.15	79.30	76.28	75.95	76.56	73.76	73.64
20	76.78	77.30	76.14	77.47	76.28	78.29	78.93	77.25	76.06	76.51	73.91	73.76
21	76.66	77.25	76.16	77.82	75.90	78.53	78.49	77.38	76.34	76.22	73.95	74.00
22	76.03	77.15	76.07	78.32	75.83	78.85	78.23	77.60	76.33	76.13	74.23	73.95
23	76.28	77.06	75.29	78.34	75.93	79.24	78.05	77.78	76.15	75.96	74.03	74.78
24	76.59	76.93	74.78	78.11	75.89	79.99	78.01	77.99	76.48	75.69	73.73	75.25
25	76.52	77.07	74.72	78.05	75.16	80.26	78.02	78.18	76.77	75.46	73.96	74.84
26	76.36	76.85	74.95	78.07	75.52	80.04	78.00	78.22	77.18	75.34	73.91	74.59
27	76.24	76.98	75.05	77.93	76.39	79.73	77.85	78.29	77.46	75.01	73.99	74.46
28	75.87	77.12	75.23	77.66	76.50	79.67	77.60	78.37	77.66	74.68	73.95	74.45
29	75.42	77.17	75.27	77.68	76.16	79.52	77.58	78.36	78.01	74.97	73.77	74.95
30	75.50	77.44	75.28	77.77	---	79.67	77.54	78.24	78.27	75.20	73.76	76.47
31	76.04	---	75.31	77.86	---	81.03	---	77.93	---	75.33	73.77	---
MEAN	77.02	77.26	75.99	76.90	76.67	78.27	78.79	77.22	76.63	76.49	74.43	74.32
MAX	78.59	78.15	77.60	78.34	77.83	81.03	82.28	78.37	78.27	77.99	75.87	76.47
MIN	75.42	76.01	74.72	75.21	75.16	75.25	77.54	76.23	75.70	74.68	73.73	73.64

CAL YR 1979 MEAN 77.15 MAX 83.44 MIN 73.50
WTR YR 1980 MEAN 76.67 MAX 82.28 MIN 73.64

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°23'14", long 80°08'25", Berkeley County, Hydrologic Unit 03050201, on right bank 0.6 mi (1.0 km) upstream from bridge on State Highway 45 and 7.0 mi (11.3 km) southwest of Pineville.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 60.0 ft (18.29 m) National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage.

REMARKS.--Records good, except period of missing record July 22 to Aug. 27, which is fair. Canal diverts water from Lake Marion to Lake Moultrie for generation of power and for navigation. Water is discharged from powerplant and navigation lock into West Branch Cooper River.

AVERAGE DISCHARGE.--37 years, 15,100 ft^3/s (427 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 40,200 ft^3/s (1,140 m^3/s) Mar. 10, 1952; minimum daily (normal operation), 61 ft^3/s (1.73 m^3/s) Sept. 24, 25, 1956; maximum daily reverse flow, 12,100 ft^3/s (343 m^3/s) Feb. 9, 1947 (caused by unusual operation of gates).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18100	9810	21900	16400	30700	12300	20300	23800	24900	22100	8860	3080
2	20500	11800	23000	16200	29800	16800	26700	23200	24400	22600	10100	4000
3	23100	17700	23300	16000	29300	16100	29400	22700	23000	21600	8730	3710
4	24100	16700	23400	16500	29200	13800	30700	22500	20500	19800	6530	3590
5	26200	17100	22800	17200	28500	11900	29100	20500	14800	18100	7210	3130
6	26600	17800	22500	16800	27800	11200	27300	18800	13500	17000	6750	2900
7	27800	17100	22400	16500	26900	9410	26400	18000	13200	14100	7970	2480
8	26500	17200	21700	16600	26000	9270	27900	15600	13500	14300	11000	2310
9	25900	17000	20900	16700	25600	15500	29100	12900	10900	14100	13800	4180
10	25700	17500	20500	17100	25900	18700	28500	10100	10700	15000	9010	3210
11	25000	19700	20300	19400	24400	20800	27000	9840	11400	14800	11300	1470
12	24500	21300	20100	19800	23700	22000	26100	10500	8600	16200	12700	1870
13	24300	22100	20000	20300	23200	25600	26100	11500	8000	16300	9930	4940
14	23300	22400	19100	21800	23000	27700	25300	12500	6550	15500	8660	4160
15	22400	22600	17800	22100	22800	28300	25000	12500	7830	14800	8260	5350
16	21800	23500	18000	22400	22200	30800	22700	11500	8640	13100	7640	6310
17	21600	24200	18300	22800	21400	32400	21800	8390	7280	13100	8260	4600
18	21400	24700	18100	23400	20100	33600	23500	9410	11200	13300	4530	5720
19	20900	24400	17600	23200	19600	31800	24900	11300	4990	13400	5210	2850
20	19700	23600	17400	23300	17200	30500	24500	11000	6870	12900	6380	3840
21	17200	22900	16700	23700	14400	30600	23000	12100	6500	11800	5780	3020
22	14800	22100	15200	24600	10600	26900	23100	13500	6550	11200	5200	4320
23	14200	21500	15600	26800	8300	25500	24400	18200	4890	12300	4010	6440
24	12800	21300	14300	28300	7370	26200	24000	21000	2410	12400	2810	9480
25	13400	20800	15400	29000	8380	28900	23600	22800	5040	12600	3000	8530
26	12500	21700	14400	29700	10900	29500	23100	23200	15400	13400	3230	7580
27	12300	21600	16200	30600	8040	28600	23500	22800	16800	12900	4970	5840
28	11700	21500	16800	31100	9170	27100	24000	24300	18500	12600	4180	5270
29	12200	22000	17400	30400	9090	25700	24300	25300	20000	9000	3410	9180
30	11200	21500	17400	30200	---	21800	24300	25200	20900	8200	3050	7980
31	10400	---	16600	30400	---	17100	---	24900	---	8490	3070	---
TOTAL	612100	605110	585100	699300	583550	706380	759600	529840	367750	446990	215540	141340
MEAN	19750	20170	18870	22560	20120	22790	25320	17090	12260	14420	6953	4711
MAX	27800	24700	23400	31100	30700	33600	30700	25300	24900	22600	13800	9480
MIN	10400	9810	14300	16000	7370	9270	20300	8390	2410	8200	2810	1470

CAL YR 1979 TOTAL 7386440 MEAN 20240 MAX 34800 MIN 7620
WTR YR 1980 TOTAL 6252600 MEAN 17080 MAX 33600 MIN 1470

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY RECORDS

LOCATION.--Lat 33°23'25", long 80°08'25", Berkeley County, Hydrologic Unit 03050201, at auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage, 7.0 mi (11.3 km) southwest of Pineville.

PERIOD OF RECORD.--December 1971 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1973 to current year.
WATER TEMPERATURE: February 1973 to current year.

INSTRUMENTATION.--Servo Programmer since February 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, greater than 162 micromhos June 3, 4, 7, 1974; minimum, 45 micromhos Feb. 7, 10, 11, 1978.
WATER TEMPERATURE: Maximum, 31.5°C July 31, Aug. 1, 7-10, 1979, Aug. 6, 13, 14, 1980; minimum, 2.0°C Jan. 30, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 102 micromhos May 13; minimum, 57 micromhos Apr. 11 July 21.
WATER TEMPERATURE: Maximum, 31.5°C Aug. 6, 13, 14; minimum, 4.0°C Mar. 3.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
OCT												
03...	1050	23300	85	7.3	22.5	6.0	8.2	9	44	17	0	4.2
NOV												
07...	1130	16800	90	7.0	16.0	4.0	9.6	K1	74	17	2	4.2
DEC												
13...	1130	20000	87	7.1	11.0	7.0	10.0	K3	K5	15	0	3.6
JAN												
09...	1045	16200	85	7.3	9.5	2.5	11.5	K1	K1	18	0	4.5
FEB												
05...	1145	28500	77	7.1	5.5	10	11.8	K1	K1	16	0	3.9
MAR												
13...	1100	25800	70	7.3	7.0	2.0	11.8	K4	22	16	0	3.9
APR												
10...	1130	28700	46	6.8	16.5	1.0	9.3	4	4	12	0	2.8
MAY												
15...	0940	12000	75	7.2	20.0	3.3	--	--	--	17	0	4.1
JUN												
17...	1115	7160	72	7.1	26.5	3.5	8.3	K1	181	17	0	4.0
JUL												
10...	1015	13700	70	7.1	29.0	3.4	7.2	K1	210	17	0	4.0
AUG												
05...	1330	--	79	7.0	30.5	4.5	6.9	3	K420	17	1	3.9
SEP												
03...	1315	3730	82	7.0	30.0	2.5	7.1	K8	K22	17	0	3.6

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT												
03...	1.6	8.9	.9	11	1.6	17	1.7	7.1	7.4	.1	9.1	62
NOV												
07...	1.7	12	1.2	14	1.8	15	--	8.1	8.5	.1	10	62
DEC												
13...	1.4	8.0	.9	9.9	1.9	25	--	7.4	8.0	.0	8.8	60
JAN												
09...	1.7	10	1.0	12	1.6	28	--	7.8	7.6	.1	11	58
FEB												
05...	1.5	7.3	.8	8.7	1.4	26	--	8.1	5.8	.1	10	56
MAR												
13...	1.6	7.9	.9	9.3	1.4	23	--	8.9	6.7	.1	8.0	56
APR												
10...	1.2	5.7	.7	--	1.1	18	--	5.6	3.4	.1	8.0	50
MAY												
15...	1.7	7.6	.8	--	1.7	17	--	9.5	5.9	.1	6.8	46
JUN												
17...	1.7	8.1	.9	--	1.7	19	--	8.2	6.2	.1	7.6	54
JUL												
10...	1.7	7.9	.8	--	1.8	22	--	6.5	7.0	.1	7.5	60
AUG												
05...	1.8	9.3	1.0	--	1.6	16	--	7.4	7.1	.2	10	55
SEP												
03...	1.9	9.0	1.0	--	1.9	21	--	7.9	8.1	.2	12	62

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT 03...	50	.08	3900	.05	.050	.06	.01	.39	.44	.29	.15
NOV 07...	56	.08	2810	.17	.030	.04	.04	.28	.31	.01	.30
DEC 13...	55	.08	3240	.15	.030	.04	.04	.22	.25	.00	.66
JAN 09...	63	.08	2540	.32	.020	.02	.00	.38	.40	.13	.27
FEB 05...	55	.08	4310	.24	.030	.04	.04	.29	.32	.00	.39
MAR 13...	54	.08	3900	.23	.050	.06	.01	.23	.28	.05	.23
APR 10...	40	.07	3870	.25	.020	.02	.00	.39	.41	.00	.43
MAY 15...	48	.06	1490	.15	.070	.08	.04	.48	.55	.00	.70
JUN 17...	49	.07	1040	.04	.050	.06	.03	.31	.36	.12	.24
JUL 10...	50	.08	2220	.01	.000	.00	.06	.24	.24	.11	.13
AUG 05...	51	.07	--	.01	.040	.05	.03	.23	.27	.01	.26
SEP 03...	57	.08	624	.00	.000	.00	.00	.20	.20	.06	.14

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 03...	.49	2.2	.030	.09	.010	--	3.3	--	6	377	100
NOV 07...	.48	2.1	.030	.09	.040	--	2.5	21000	7	318	100
DEC 13...	.40	1.8	.040	.12	.010	0	--	--	7	378	100
JAN 09...	.72	3.2	.040	.12	.030	--	3.4	--	6	262	100
FEB 05...	.56	2.5	.060	.18	.030	--	8.2	--	6	462	100
MAR 13...	.51	2.3	.050	.15	.020	0	--	16000	13	906	100
APR 10...	.66	2.9	.070	.21	.030	--	--	--	15	1160	100
MAY 15...	.70	3.1	.040	.12	.020	--	5.4	--	18	583	100
JUN 17...	.40	1.8	.030	.09	.010	0	--	73000	9	174	100
JUL 10...	.25	1.1	.020	.06	.010	0	4.4	--	4	148	100
AUG 05...	.28	1.2	.020	.06	.010	0	4.0	36000	10	--	76
SEP 03...	.20	.89	.090	.28	.060	0	--	120000	3	30	88

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
DEC 13...	1130	1	1	0	0	0	40	0	0	0	30
MAR 13...	1100	1	1	0	0	0	60	0	0	6	10
JUN 17...	1115	0	0	1	<50	--	30	0	0	0	10
SEP 03...	1315	1	0	1	100	100	0	0	0	0	30

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
DEC 13...	10	20	0	0	0	3	0	26	410	220
MAR 13...	0	<10	0	0	3	2	0	2	460	300
JUN 17...	--	<10	0	0	0	5	4	1	330	290
SEP 03...	20	10	0	0	0	4	0	19	190	160

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
DEC 13...	190	7	5	2	20	20	5	<.1	<.0	<.1
MAR 13...	160	2	2	0	20	20	2	.1	.0	.1
JUN 17...	40	2	2	0	50	50	1	.2	.0	.2
SEP 03...	30	1	0	1	40	30	10	.1	--	<.1

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
DEC 13...	0	0	0	0	0	0	0	100	4.4	.5
MAR 13...	0	0	0	0	0	10	2	8	3.9	.3
JUN 17...	0	0	0	0	0	10	2	8	4.3	1.0
SEP 03...	0	0	0	0	0	40	0	50	7.1	.9

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	74	73	73	84	81	82	76	75	76	76	70	72
2	74	73	73	83	81	82	77	76	76	80	69	72
3	74	72	73	83	77	80	77	76	77	79	75	76
4	74	72	73	80	77	79	77	76	77	78	68	74
5	73	72	72	78	77	78	79	78	78	76	70	73
6	73	72	72	79	76	77	79	78	79	77	70	74
7	72	71	72	80	78	79	80	79	80	82	75	78
8	72	71	72	81	79	81	81	79	80	83	70	76
9	72	70	70	84	81	82	82	82	82	82	64	73
10	74	71	72	85	83	83	84	83	83	81	74	79
11	73	71	72	85	81	83	85	84	85	83	76	78
12	72	71	71	83	82	82	87	85	86	---	---	---
13	73	71	71	83	81	83	88	83	87	---	---	---
14	73	72	72	82	78	80	83	79	82	---	---	---
15	75	72	73	80	79	80	83	77	81	---	---	---
16	76	73	75	80	79	80	83	80	82	84	83	84
17	77	76	77	81	80	80	83	75	80	84	83	84
18	79	76	78	81	80	81	82	77	79	84	84	84
19	80	78	79	81	79	80	81	77	79	85	84	85
20	81	79	80	81	79	80	83	78	80	86	85	85
21	81	80	80	80	78	79	83	80	81	86	85	86
22	81	80	80	81	79	80	83	79	82	86	85	86
23	82	80	80	81	80	81	83	76	80	86	83	85
24	80	78	79	80	79	80	87	76	78	83	80	81
25	79	77	78	80	78	80	80	76	78	82	80	80
26	79	78	78	79	77	78	80	76	78	82	81	81
27	79	77	78	77	76	77	80	75	76	84	82	83
28	78	78	78	78	77	77	76	70	74	85	83	84
29	79	78	79	78	75	77	76	69	73	85	84	84
30	80	79	80	76	74	75	75	66	70	84	81	82
31	84	80	81	---	---	---	74	66	70	82	80	81

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	79	75	76	74	68	71	83	68	75	71	70	70
2	78	74	76	68	63	66	68	63	66	72	71	71
3	76	73	74	65	62	63	65	62	63	71	70	71
4	75	74	74	68	65	66	69	62	64	72	70	71
5	73	69	71	69	68	68	69	59	63	75	72	74
6	70	68	69	71	68	70	63	59	60	75	66	70
7	69	66	67	71	70	71	63	60	62	69	66	68
8	68	66	67	72	71	71	69	62	65	70	68	69
9	68	66	67	71	70	71	71	60	65	72	70	71
10	67	65	66	71	69	70	62	57	58	85	72	78
11	69	66	67	71	69	70	58	57	57	95	84	90
12	69	67	68	71	69	70	62	58	60	97	89	93
13	69	68	69	69	67	68	63	60	62	102	88	94
14	71	69	70	70	68	69	64	61	63	92	80	86
15	71	69	70	70	69	69	63	59	60	83	80	82
16	70	83	69	70	69	69	60	59	59	91	80	84
17	67	64	66	70	69	70	61	60	61	90	82	86
18	67	63	65	70	69	69	63	61	62	84	78	81
19	69	67	68	70	70	70	65	62	63	86	74	80
20	69	68	69	70	69	70	64	61	63	89	81	85
21	69	68	69	71	69	70	63	61	62	82	75	77
22	70	69	69	70	68	69	65	63	64	75	68	71
23	70	69	70	68	67	68	66	65	65	75	71	73
24	72	71	72	73	68	70	67	65	66	74	71	73
25	73	72	73	70	68	69	68	67	67	73	70	72
26	73	72	72	70	68	69	69	65	66	73	70	72
27	73	71	72	73	70	71	66	65	66	74	73	73
28	73	71	72	92	72	77	72	65	68	75	73	74
29	74	72	73	88	74	79	72	69	70	75	73	74
30	---	---	---	83	74	77	71	69	70	76	74	75
31	---	---	---	80	71	76	---	---	---	75	72	74

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980—Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	75	74	74	70	67	68	69	67	68	79	75	78
2	76	72	74	71	67	69	72	67	69	83	78	81
3	73	71	72	71	67	69	71	69	70	88	78	82
4	74	72	73	70	66	69	73	70	71	84	79	82
5	74	72	73	70	68	69	74	71	72	86	80	83
6	75	72	73	71	68	70	75	71	72	87	81	84
7	74	71	73	78	68	73	74	71	72	86	80	83
8	74	71	72	71	64	67	73	70	72	88	80	84
9	75	70	72	68	66	67	73	71	72	86	80	82
10	72	69	71	68	64	66	74	71	72	86	80	82
11	72	69	70	69	65	68	73	70	72	87	81	82
12	74	68	71	68	64	66	71	69	70	88	80	83
13	72	68	70	68	65	66	73	70	71	84	80	81
14	73	67	70	70	65	68	72	70	71	86	80	83
15	71	68	69	67	63	65	72	69	71	84	78	81
16	68	65	67	67	63	65	72	68	71	85	79	81
17	76	66	69	67	61	65	72	70	71	85	78	81
18	70	66	68	64	59	61	73	70	71	83	78	80
19	77	66	70	63	60	61	72	71	71	86	81	83
20	80	67	71	64	60	62	71	69	70	84	78	81
21	79	67	72	63	57	61	71	70	70	86	79	83
22	85	68	74	63	58	61	73	70	71	86	78	81
23	81	66	72	64	63	64	72	66	68	80	77	79
24	75	65	68	65	64	64	76	65	68	80	78	79
25	68	64	66	66	64	65	77	66	70	82	79	80
26	66	65	66	67	65	66	76	68	72	83	79	81
27	67	65	66	67	65	66	81	72	76	87	80	83
28	68	65	66	67	66	66	79	74	76	85	80	83
29	68	66	67	68	66	67	78	75	77	83	77	81
30	70	66	68	68	66	67	79	75	77	82	78	80
31	---	---	---	68	67	68	79	73	77	---	---	---
YEAR	102	57	74									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN		MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	24.0	24.0	19.5	19.0	19.5	---	---	---	9.5	9.0	9.5
2	24.0	23.5	24.0	19.5	19.0	19.0	---	---	---	9.0	8.5	8.5
3	23.5	23.0	23.5	19.5	19.0	19.5	---	---	---	9.0	9.0	9.0
4	23.0	22.5	23.0	19.0	17.5	18.0	---	---	---	9.0	8.5	9.0
5	23.0	22.0	22.5	17.5	17.0	17.5	---	---	---	9.5	7.5	8.5
6	21.5	21.0	21.5	17.5	16.5	17.5	12.0	11.5	12.0	8.0	7.0	7.0
7	21.5	21.0	21.0	17.5	17.0	17.5	12.5	12.0	12.5	9.5	7.5	8.0
8	21.5	20.5	21.0	17.5	17.0	17.5	12.5	12.0	12.0	9.5	8.0	9.0
9	21.5	20.5	21.0	17.5	17.0	17.5	13.0	11.5	11.5	10.0	8.5	9.0
10	21.0	20.0	20.5	18.5	17.5	18.0	12.0	11.0	11.5	10.0	8.5	9.0
11	20.0	19.5	20.0	18.5	18.5	18.5	12.0	11.0	11.5	10.0	8.5	9.0
12	20.5	19.5	20.0	18.5	17.0	17.5	12.0	11.5	12.0	11.0	10.0	10.0
13	20.5	19.5	20.0	17.0	16.0	16.5	12.5	12.0	12.5	10.0	8.0	8.5
14	20.0	19.0	19.5	16.0	15.5	15.5	12.5	12.0	12.5	9.0	8.0	8.0
15	19.0	18.5	19.0	15.5	14.5	15.5	12.0	11.0	11.5	9.0	8.0	8.5
16	19.5	19.0	19.0	16.0	14.5	15.0	11.0	10.5	10.5	9.5	9.0	9.0
17	19.5	19.0	19.5	17.0	15.5	15.5	10.5	9.5	10.0	9.5	9.0	9.5
18	20.0	19.0	19.5	16.0	15.0	16.0	9.5	9.0	9.0	9.5	9.5	9.5
19	20.0	19.5	20.0	15.5	15.0	15.5	9.5	9.0	9.0	10.0	9.5	9.5
20	20.5	19.5	20.0	---	---	---	9.5	9.0	9.0	10.5	9.5	10.0
21	21.0	20.0	20.5	16.0	15.5	16.0	9.5	9.0	9.5	10.5	10.0	10.0
22	21.0	20.5	20.5	16.0	16.0	16.0	9.5	9.0	9.5	10.5	10.0	10.0
23	20.5	20.0	20.5	16.5	16.0	16.0	9.5	9.5	9.5	10.5	10.0	10.5
24	20.5	19.5	20.0	16.5	16.0	16.5	11.0	9.5	10.0	10.0	8.0	8.5
25	20.0	19.5	19.5	16.5	16.0	16.5	11.0	10.0	10.5	9.0	8.5	9.0
26	19.5	19.0	19.0	17.0	16.5	16.5	9.5	9.0	9.0	9.5	9.0	9.0
27	19.0	18.5	18.5	16.0	15.5	16.0	9.5	9.0	9.5	9.5	9.0	9.0
28	19.0	18.5	18.5	16.5	15.5	16.0	9.5	9.5	9.5	9.0	8.5	9.0
29	19.5	18.5	19.0	16.0	13.5	15.5	9.5	9.0	9.5	9.5	8.5	9.0
30	19.5	19.0	19.5	---	---	---	9.5	9.0	9.5	9.5	9.0	9.5
31	19.5	19.0	19.5	---	---	---	9.5	9.5	9.5	9.0	7.5	8.5

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.5	6.5	7.0	10.5	8.0	9.0	16.0	15.5	16.0	20.0	19.0	19.5
2	7.0	6.0	6.5	8.0	5.0	6.5	15.5	15.5	15.5	21.0	19.5	20.5
3	7.0	6.5	6.5	5.5	4.0	4.5	15.5	15.5	15.5	21.0	20.5	20.5
4	6.5	6.5	6.5	7.0	5.5	6.0	16.5	15.5	15.5	22.0	20.5	21.0
5	6.5	6.0	6.0	7.5	7.0	7.0	16.0	15.0	15.5	21.5	21.0	21.0
6	6.5	6.0	6.5	8.5	7.0	8.0	16.0	15.0	15.5	22.0	20.5	21.5
7	6.5	6.0	6.0	9.0	8.5	8.5	16.0	15.5	16.0	23.0	21.5	22.0
8	6.5	6.0	6.5	10.0	9.0	9.5	16.5	16.0	16.0	22.5	22.0	22.0
9	6.5	6.0	6.5	11.0	10.0	10.5	17.5	16.5	17.0	22.0	21.0	21.5
10	6.5	6.0	6.0	10.5	10.0	10.0	17.5	17.0	17.5	21.0	20.5	21.0
11	6.5	5.5	6.0	11.0	10.0	10.5	18.5	17.0	17.5	22.0	20.5	21.0
12	6.5	6.0	6.5	11.0	9.0	10.0	18.0	17.5	18.0	23.0	21.5	22.0
13	6.5	6.5	6.5	9.0	8.5	9.0	18.5	18.0	18.0	24.0	22.5	23.0
14	7.5	6.5	7.0	10.5	9.0	9.5	19.0	18.5	18.5	24.5	23.0	23.5
15	7.5	7.0	7.0	11.0	10.0	10.5	18.5	17.0	17.5	24.5	23.5	24.0
16	8.0	7.5	7.5	11.0	10.5	10.5	17.5	16.5	17.0	23.5	22.5	23.0
17	8.0	7.0	7.5	11.5	11.0	11.0	17.5	17.0	17.5	22.0	21.5	22.0
18	7.0	6.0	6.5	12.5	11.5	12.0	18.0	17.0	17.5	24.0	21.5	22.5
19	7.5	6.5	7.0	12.0	11.5	12.0	18.0	17.5	17.5	24.0	24.0	24.0
20	8.0	7.0	7.5	12.0	11.5	12.0	18.0	17.0	17.5	24.0	23.5	24.0
21	8.5	7.5	8.0	14.0	12.0	13.0	19.5	17.5	18.5	25.0	24.0	24.5
22	9.5	8.5	9.0	13.5	12.5	13.0	20.5	18.5	19.5	25.0	24.0	24.5
23	11.0	9.5	10.0	13.5	13.0	13.0	21.0	19.5	20.0	24.0	23.5	24.0
24	12.0	11.5	11.5	13.5	13.0	13.0	21.5	20.0	21.0	25.0	23.5	24.0
25	13.0	12.0	12.5	14.5	13.0	14.0	21.5	20.5	21.0	25.0	24.5	24.5
26	12.5	9.0	10.0	14.5	14.0	14.0	21.5	20.5	21.0	25.0	24.5	24.5
27	9.5	8.5	9.0	15.0	14.0	14.5	21.0	20.5	20.5	25.0	24.0	24.5
28	10.0	9.0	9.5	14.5	14.0	14.0	20.5	20.0	20.0	25.5	24.5	25.0
29	10.5	10.0	10.5	14.5	14.0	14.5	20.0	19.0	19.5	25.5	24.5	25.0
30	---	---	---	15.5	14.5	15.0	19.5	19.0	19.5	25.5	24.5	25.0
31	---	---	---	16.0	15.5	15.5	---	---	---	25.5	24.5	25.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.0	24.5	25.0	29.0	28.0	28.5	31.0	30.0	30.5	30.0	28.5	29.5
2	26.5	25.0	25.5	28.5	28.0	28.0	31.0	30.0	30.5	30.0	28.5	29.0
3	27.0	25.5	26.0	29.0	28.0	28.5	31.0	29.5	30.5	30.0	29.0	29.5
4	27.5	26.0	26.5	28.5	28.0	28.5	31.0	30.5	31.0	29.5	29.0	29.0
5	27.5	26.0	26.5	29.0	27.5	28.0	31.0	30.0	30.5	30.0	29.0	29.5
6	26.5	26.0	26.0	29.5	28.5	29.0	31.5	30.0	31.0	30.0	29.5	29.5
7	26.5	25.5	26.0	29.5	28.5	29.0	31.0	30.0	30.5	30.0	29.5	30.0
8	27.5	26.0	26.5	29.5	28.5	29.0	31.0	30.0	30.5	30.0	29.5	29.5
9	27.0	26.5	26.5	29.5	29.0	29.0	31.0	30.5	30.5	29.5	28.5	29.0
10	26.5	26.0	26.5	30.0	29.0	29.5	31.0	30.0	30.5	28.5	28.0	28.5
11	27.5	26.0	26.5	31.0	29.5	30.[illegible]	31.0	30.0	30.5	28.5	28.0	28.5
12	27.0	26.0	26.5	31.0	30.0	30.[illegible]	31.0	30.0	30.5	28.5	28.0	28.0
13	26.0	25.5	26.0	31.0	30.0	30.5	31.5	30.5	31.0	28.0	27.5	28.0
14	26.0	25.5	25.5	30.5	29.5	30.0	31.5	30.5	31.0	28.5	27.5	28.0
15	27.0	26.0	26.0	30.0	29.0	29.5	31.0	30.5	30.5	29.0	28.0	28.5
16	27.5	26.5	27.0	30.0	29.5	29.5	31.0	30.5	30.5	29.0	28.0	28.5
17	27.5	27.0	27.0	30.0	29.5	29.5	31.0	30.0	30.5	29.0	28.5	29.0
18	27.0	26.0	26.5	30.0	29.5	29.5	30.0	29.5	29.5	28.5	28.0	28.5
19	26.5	26.0	26.0	30.0	29.5	29.5	30.0	29.0	29.5	29.5	28.5	28.5
20	27.0	26.0	26.5	30.5	29.5	30.0	30.5	29.5	30.0	28.5	28.5	28.5
21	27.0	26.0	26.5	30.5	29.5	30.0	30.5	30.0	30.0	29.0	28.5	28.5
22	26.5	25.5	26.0	30.5	29.5	30.0	30.5	29.5	30.0	29.0	28.5	29.0
23	26.5	25.5	26.0	30.0	29.5	30.0	29.5	29.0	29.0	29.5	28.5	29.0
24	26.0	25.5	25.5	30.0	29.0	29.5	29.5	28.5	29.0	29.5	29.0	29.0
25	26.5	25.5	26.0	30.0	29.0	29.5	28.5	28.0	28.5	29.0	28.5	28.5
26	26.0	25.5	26.0	29.0	29.0	29.0	28.5	28.0	28.0	29.0	28.5	29.0
27	27.5	25.5	26.5	30.0	29.0	29.0	28.5	27.5	28.0	29.0	27.5	28.0
28	28.5	27.0	27.5	30.0	29.0	29.5	28.5	28.0	28.0	27.5	26.0	26.5
29	28.5	27.5	28.0	30.5	29.5	30.0	28.5	28.0	28.0	26.0	24.0	25.0
30	29.0	27.5	28.5	30.5	30.0	30.5	29.0	28.0	28.5	24.0	24.0	24.0
31	---	---	---	31.0	30.0	30.5	30.0	28.5	29.0	---	---	---
YEAR	31.5	4.0	19.5									

02171000 LAKE MARION NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'00", long 80°09'50", Berkeley County, Hydrologic Unit 03050111, at right upstream end of spillway, 2.8 mi (4.5 km) upstream from old Santee Canal, 5.4 mi (8.7 km) upstream from Dead River, and 8.0 mi (12.9 km) west of Pineville.

DRAINAGE AREA.--14,700 mi^2 (38,100 km^2), approximately.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Santee Reservoir near Pineville.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Harza Engineering Co.). Prior to May 6, 1942, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; dam completed in 1941. Usable capacity, 47,930,000,000 ft^3 (1,357,000,000 m^3) between elevations 60.0 ft (18.29 m) (limit of drawdown) and 76.8 ft (23.41 m) (maximum normal lake elevation). Dead storage, about 15,250,000,000 ft^3 (431,900,000 m^3). Figures given herein represent usable contents. Elevation of spillway crest 63.0 ft (19.20 m); top of spillway gates, 76.8 ft (23.41 m). Some water used for generation of power. Major portion of water is diverted from Lake Marion through canal to Lake Moultrie (see preceding page) for generation of power and for navigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 77.35 ft (23.576 m) Feb. 28, 1964 (distorted due to high westerly winds); minimum, 61.36 ft (18.703 m) Oct. 17, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 76.78 ft (23.403 m) Apr. 9; minimum, 72.32 ft (22.043 m) Jan. 4, 10.

Capacity table (elevation, in feet and meters), and
usable contents, (in billions of cubic feet and millions of cubic meters)
(Prepared from volume curve drawn by Harza Engineering Co.)

71.0 ft (21.64 m)	24.31 ft^3 (688.5 m^3)
72.0 ft (21.95 m)	27.75 ft^3 (785.9 m^3)
74.0 ft (22.56 m)	35.41 ft^3 (1,003.0 m^3)
76.0 ft (23.16 m)	44.13 ft^3 (1,250.0 m^3)
77.0 ft (23.47 m)	48.88 ft^3 (1,384.0 m^3)

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75.25	74.36	74.65	72.47	74.68	73.90	75.77	76.07	76.31	75.80	74.01	73.33
2	75.31	74.30	74.62	72.39	74.68	73.80	76.25	76.03	76.16	75.84	74.07	73.29
3	75.26	74.36	74.63	72.35	74.72	73.64	76.55	75.96	76.00	75.80	74.04	73.26
4	75.28	74.24	74.61	72.46	74.72	73.68	76.60	75.88	75.83	75.76	73.94	73.30
5	75.46	74.21	74.58	72.50	74.61	73.86	76.50	75.77	75.80	75.77	73.86	73.38
6	75.57	74.23	74.66	72.41	74.57	73.96	76.37	75.65	75.78	75.67	73.88	73.39
7	75.59	74.28	74.59	72.41	74.46	74.06	76.51	75.53	75.79	75.55	73.99	73.41
8	75.53	74.41	74.38	72.43	74.32	74.24	76.69	75.42	75.73	75.54	74.01	73.40
9	75.45	74.52	74.24	72.36	74.29	74.25	76.71	75.39	75.59	75.52	73.95	73.40
10	75.34	74.65	74.11	72.35	74.14	74.27	76.64	75.38	75.52	75.53	73.88	73.43
11	75.35	74.87	73.95	72.43	74.05	74.29	76.57	75.41	75.34	75.56	73.81	73.47
12	75.29	74.90	73.79	72.39	73.93	74.68	76.61	75.38	75.29	75.60	73.69	73.48
13	75.26	74.89	73.68	72.48	73.87	75.13	76.62	75.32	75.30	75.58	73.57	73.46
14	75.13	74.88	73.51	72.49	73.86	75.29	76.64	75.29	75.29	75.56	73.50	73.45
15	75.07	74.99	73.49	72.47	73.85	75.57	76.20	75.26	75.25	75.47	73.50	73.38
16	75.03	75.07	73.45	72.52	73.91	75.93	75.91	75.20	75.22	75.39	73.46	73.32
17	75.00	75.21	73.26	72.55	73.84	76.34	75.88	75.28	75.17	75.30	73.43	73.41
18	74.92	75.27	73.15	72.64	73.79	76.40	76.11	75.34	75.29	75.27	73.40	73.42
19	74.74	75.28	73.11	72.70	73.76	76.40	76.46	75.42	75.36	75.25	73.34	73.40
20	74.65	75.23	73.08	72.80	73.73	76.43	76.57	75.47	75.36	75.17	73.28	73.38
21	74.62	75.17	73.07	72.93	73.71	76.29	76.53	75.53	75.40	75.13	73.20	73.42
22	74.60	75.11	73.08	73.19	73.77	76.16	76.58	75.64	75.45	75.06	73.31	73.41
23	74.63	75.06	73.05	73.70	73.82	76.17	76.56	75.82	75.48	75.05	73.33	73.40
24	74.57	75.00	73.05	73.85	73.89	76.40	76.52	75.90	75.53	74.94	73.32	73.45
25	74.56	74.96	73.00	74.01	74.32	76.56	76.49	76.00	75.61	74.80	73.33	73.49
26	74.54	75.04	72.85	74.19	73.78	76.68	76.48	76.10	75.53	74.68	73.34	73.44
27	74.53	74.92	72.75	74.37	73.82	76.57	76.50	76.23	75.51	74.50	73.31	73.45
28	74.52	74.94	72.64	74.44	73.92	76.59	76.36	76.33	75.50	74.33	73.32	73.51
29	74.43	74.77	72.54	74.47	73.84	76.28	76.26	76.40	75.59	74.21	73.30	73.74
30	74.29	74.65	72.52	74.49	---	75.76	76.14	76.44	75.69	74.15	73.31	73.87
31	74.27	---	72.47	74.64	---	75.40	---	76.40	---	74.15	73.34	---
MAX	75.59	75.28	74.66	74.64	74.72	76.68	76.71	76.44	76.31	75.84	74.07	73.87
MIN	74.27	74.21	72.47	72.35	73.71	73.64	75.77	75.20	75.17	74.15	73.20	73.26
(+)	36.57	38.16	29.49	38.12	34.78	41.43	44.79	46.03	42.74	36.05	32.80	34.90
(*)	-1516	613	-3237	3222	-1333	2483	1296	463	1269	-2498	-1213	810

CAL YR 1979 * 3 MAX 76.73 MIN 72.31
WTR YR 1980 * -181 MAX 76.71 MIN 72.35

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.
(Radiochemical program station)

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, Hydrologic Unit 03050112, on right bank 2.4 mi (3.9 km) downstream from Lake Marion Dam, 3.0 mi (4.8 km) upstream from Dead River, 6.7 mi (10.8 km) west of Pineville, and at mile 85.0 (136.8 km).

DRAINAGE AREA.--14,700 mi^2 (38,100 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORDS.--April 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 23.00 ft (7.010 m) National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Prior to Feb. 25, 1943, nonrecording gage at site 2.2 mi (3.5 km) upstream or temporary water-stage recorder operated by Corps of Engineers, at site 200 ft (60 m) upstream, at different datum.

REMARKS.--Records good. Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin. Seepage from north dike of Lake Marion Dam bypasses station via Little River. Results of discharge measurements in cubic feet per second and cubic meters per second, of Little River, just below dam, made during water year 1980 are given below.

Oct. 18 - 28.0 ft^3/s (0.79 m^3/s)
Feb. 8 - 23.7 ft^3/s (0.67 m^3/s)
July 17 - 21.2 ft^3/s (0.60 m^3/s)

AVERAGE DISCHARGE.--38 years, 2,280 ft^3/s (64.6 m^3/s), 2.11 in/yr (54 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155,000 ft^3/s (4,390 m^3/s) Sept. 23, 1945, gage height, 31.1 ft (9.48 m) from floodmarks), from rating curve extended above 13,000 ft^3/s (368 m^3/s) by computation of flow over spillway at Lake Marion; minimum daily, 9.0 ft^3/s (0.25 m^3/s) Feb. 23, 1947 (caused by repair work at spillway).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 67,900 ft^3/s (1,923 m^3/s) Mar. 30, gage height, 26.58 ft (8.102 m), minimum daily, 440 ft^3/s (12.5 m^3/s) Dec. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	475	457	448	467	498	469	48200	640	506	485	500	502
2	483	489	461	469	492	487	50400	549	508	491	508	490
3	506	511	465	461	477	489	50500	533	517	496	501	509
4	481	487	446	465	475	457	40600	535	511	523	502	527
5	760	455	442	473	475	471	36400	537	477	545	501	523
6	553	453	459	473	477	457	26800	555	533	521	498	505
7	770	461	469	465	479	457	17800	559	461	487	502	512
8	535	463	453	461	490	465	6040	590	561	504	500	526
9	483	463	457	461	489	473	4950	543	515	498	510	514
10	519	461	459	469	525	467	5390	531	519	491	516	508
11	489	469	455	485	50[illegible]	463	9490	525	515	469	524	516
12	483	479	448	481	485	485	5280	523	517	489	514	542
13	492	481	440	481	476	634	4570	527	515	502	517	545
14	494	485	461	494	473	783	11200	527	496	498	537	544
15	491	463	467	487	467	618	20700	525	502	496	53[illegible]	547
16	481	477	471	473	467	604	19200	519	515	498	530	538
17	477	465	457	469	481	616	16500	523	502	506	530	532
18	487	465	448	469	490	768	12000	521	521	506	525	533
19	485	463	455	467	465	636	5980	502	506	506	516	538
20	483	465	453	465	459	1150	8770	527	502	506	473	538
21	483	463	467	459	471	8710	14300	506	502	502	497	537
22	477	461	451	463	448	18100	4810	502	504	513	512	537
23	481	461	442	491	448	19000	2900	500	504	503	517	538
24	487	461	451	517	442	21300	1750	500	513	505	517	534
25	489	463	474	451	473	26500	1080	594	508	508	518	529
26	491	543	469	453	1270	29100	883	508	508	507	519	529
27	494	473	446	471	487	31800	810	471	500	502	515	532
28	494	471	442	473	459	32900	1370	504	485	50[illegible]	513	538
29	487	551	457	461	461	39400	926	559	492	500	521	555
30	494	496	463	459	---	51200	959	504	523	497	504	548
31	479	---	467	479	---	58100	---	504	---	496	502	---
TOTAL	15783	14255	14148	14612	14601	347559	430558	16443	15238	15551	15872	15866
MEAN	509	475	456	471	503	11210	14350	530	508	502	512	529
MAX	770	551	474	517	1270	58100	50500	640	561	545	537	555
MIN	475	453	440	451	442	457	810	471	461	469	473	490

CAL YR 1979 TOTAL 975076 MEAN 2671 MAX 84800 MIN 435
WTR YR 1980 TOTAL 930486 MEAN 2542 MAX 58100 MIN 440

02171560 SANTEE RIVER NEAR RUSSELLVILLE, S.C.

LOCATION.--Lat 33°29'38," long 79°57'38," Berkeley County, Hydrologic Unit 03050112, on downstream side of U.S. Highway 52 main channel bridge, 5.2 mi (8.4 km) northeast of Russellville, and at mile 63.7 (102.5 km).

DRAINAGE AREA.--14,800 mi^2 (38,300 km^2).

PERIOD OF RECORDS.--Current year.

GAGE.--Water stage recorder. Datum of gage is 10.588 ft (3.227 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged in Cooper River.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 70,400 ft^3/s (1,990 m^3/s) Apr. 1, gage height, 24.45 ft (7.452 m); minimum daily, 484 ft^3/s (13.7 m^3/s) Aug. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	547	511	602	592	753	604	69000	1050	542	511	497	495
2	547	506	562	599	783	604	64300	864	540	491	500	493
3	555	552	560	597	745	617	64300	750	538	497	504	486
4	552	550	552	589	705	607	63100	708	545	511	500	502
5	555	526	538	587	681	604	54500	681	522	547	497	517
6	748	506	562	584	674	614	45800	674	511	540	497	513
7	594	500	666	579	679	614	35200	668	552	511	495	497
8	740	500	740	569	689	622	27400	668	493	493	506	502
9	565	502	729	567	700	658	20300	671	572	500	500	506
10	529	502	695	565	783	695	15500	637	524	502	502	502
11	542	509	661	592	895	697	14200	622	515	513	509	502
12	520	515	635	622	887	695	13500	607	500	497	542	502
13	517	529	612	645	830	1260	11100	602	500	506	552	517
14	513	533	594	676	775	1900	10100	597	497	511	560	524
15	515	526	602	708	729	1800	14100	584	500	506	555	526
16	511	515	632	721	710	1470	18100	577	504	504	540	526
17	506	520	640	702	710	1250	20300	579	509	504	542	522
18	506	513	648	689	724	1270	20800	625	517	506	531	520
19	511	509	645	671	700	1290	19300	604	511	506	524	517
20	511	506	625	655	674	1170	15700	614	502	504	513	517
21	509	506	614	640	648	2440	15800	653	500	504	484	522
22	509	504	609	627	637	7550	16100	645	497	500	493	524
23	506	502	589	635	650	14100	10500	655	497	509	504	520
24	513	500	582	687	700	18100	4410	663	511	515	509	520
25	511	500	589	668	692	20600	2550	684	529	515	506	517
26	513	589	604	643	959	23800	1680	681	515	515	506	513
27	513	674	594	668	921	28000	1370	607	515	513	506	511
28	515	663	569	724	674	32600	1330	577	506	506	504	509
29	517	653	569	748	625	36400	1340	597	495	504	504	533
30	509	671	574	724	---	42400	1210	612	511	502	506	555
31	524	---	584	724	---	56300	---	557	---	500	500	---
TOTAL	16723	16092	18977	19997	21332	301331	673290	20323	15470	15743	15888	15410
MEAN	539	536	612	645	736	9720	22440	656	516	508	513	514
MAX	748	674	740	748	959	56300	69000	1050	572	547	560	555
MIN	506	500	538	565	625	604	1210	557	493	491	484	486

CAL YR 1979 TOTAL 1148500 MEAN 3147 MAX 120000 MIN 489
WTR YR 1980 TOTAL 1150576 MEAN 3144 MAX 69000 MIN 484

02171620 CRAWL CREEK NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°26'18", long 79°59'47", Berkeley County, Hydrologic Unit 03050112, at bridge on State Highway 6, 1.0 mi (1.6 km) upstream from U.S. Highway 52, 2.5 mi (4.0 km) east of Pineville, and at mile 3.1 (5.0 km).

PERIOD OF RECORD.--Water years 1975 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (MG/L AS SIO2)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT									
30...	1125	230	6.9	17.0	40	15	5.3	1.0	540
NOV									
20...	1130	300	7.1	12.0	70	32	4.0	3.0	960
DEC									
28...	1215	118	6.9	9.0	300	204	9.6	35	2700
JAN									
31...	1230	81	7.1	6.0	150	51	10.6	2.0	410
FEB									
28...	1250	111	7.1	11.4	50	16	9.2	4.0	1200
MAR									
12...	1150	95	6.9	9.5	35	44	9.4	2.0	3900
APR									
08...	1130	76	6.7	18.0	50	48	9.0	1.0	9400
MAY									
14...	1030	80	6.5	22.0	250	9600	--	3.0	4600
JUN									
18...	1015	82	6.2	21.0	50	7	7.3	1.0	2100
JUL									
11...	1145	90	7.0	27.0	700	896	6.8	2.0	34000
AUG									
12...	0900	155	7.8	27.0	80	64	6.3	5.0	3400
SEP									
10...	0945	190	8.7	23.5	5	620	7.2	3.0	--

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT								
30...	--	280	30	0	60	4.8	13	100
NOV								
20...	720	240	120	0	140	10	32	100
DEC								
28...	2700	40	30	0	30	12	84	100
JAN								
31...	0	410	60	20	40	14	76	100
FEB								
28...	850	350	30	10	20	11	46	100
MAR								
12...	3400	540	30	20	10	10	143	100
APR								
08...	6600	2800	30	20	10	13	143	100
MAY								
14...	4200	380	40	10	30	9.3	123	100
JUN								
18...	1800	280	60	0	60	12	85	100
JUL								
11...	34000	70	130	120	10	15	1020	100
AUG								
12...	3300	70	30	0	30	6.2	48	99
SEP								
10...	--	20	--	--	0	6.6	135	98

02171650 SANTEE RIVER BELOW ST. STEPHENS, S.C.

LOCATION.--Lat 33°24'05", long 79°51'20", Berkeley County, Hydrologic Unit 03050112, on right bank, on Tract 13P of Francis Marion National Forest, 3.9 mi (6.3 km) east of St. Stephens, 600 ft (180 m) downstream from Mattassee Lake, and at mile 52.0 (83.7 km).

DRAINAGE AREA.--14,900 mi^2 (38,600 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.23 ft (.070 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--14 years, 3,025 ft^3/s (85.67 m^3/s), 2.76 in/yr (70 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 98,900 ft^3/s (2,800 m^3/s) Mar. 21, 22, 1975; gage height, 29.67 ft (9.043 m); minimum daily, 491 ft^3/s (13.91 m^3/s) Aug. 2, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 73,400 ft^3/s (2,080 m^3/s) Apr. 4, gage height, 27.52 ft (8.388 m); minimum daily 523 ft^3/s (14.8 m^3/s) Aug. 22, Sept. 2-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	646	550	810	761	1010	833	66200	1480	677	631	603	536
2	646	600	733	761	1060	821	70600	1090	669	582	582	523
3	639	600	708	766	1030	821	71100	923	654	575	575	523
4	639	600	692	771	974	821	72600	833	639	596	575	536
5	646	600	669	766	929	810	69600	804	646	631	562	562
6	821	600	685	755	910	833	64800	777	617	692	555	562
7	766	550	839	750	910	833	56700	777	646	661	549	562
8	839	550	948	742	929	850	48200	750	624	617	562	549
9	733	550	961	750	948	904	42100	750	654	617	562	555
10	610	550	923	733	1060	961	34500	708	692	624	549	542
11	610	550	886	761	1230	980	28400	708	646	669	549	549
12	610	550	850	804	1300	987	25500	669	624	631	582	549
13	589	600	821	821	1220	1860	22100	654	610	639	603	568
14	589	600	788	862	1140	2960	19600	654	603	661	617	575
15	589	600	782	910	1080	3160	19800	654	603	639	624	582
16	589	550	821	929	1030	2710	21600	631	603	624	617	589
17	575	550	833	929	1020	2260	23100	624	603	610	603	582
18	562	550	844	910	1010	2170	25000	700	617	596	582	582
19	600	550	844	886	993	2220	27800	717	631	596	589	582
20	550	550	827	868	954	208[illegible]	26300	708	624	603	575	589
21	600	550	793	850	916	2800	25500	771	617	603	530	589
22	600	550	793	833	880	9390	24200	810	617	610	523	596
23	600	550	771	839	874	16100	20700	844	617	610	530	596
24	600	550	755	868	923	19800	11700	850	617	617	530	603
25	600	550	761	904	942	22100	5180	850	646	617	536	603
26	600	650	766	856	1050	24000	3190	898	646	631	530	610
27	600	700	766	892	1450	30300	2920	810	646	654	536	603
28	600	750	750	954	974	41200	1780	750	646	677	536	610
29	600	800	717	1010	862	45700	1920	733	624	646	536	654
30	600	868	733	993	---	48600	1610	771	610	639	536	692
31	550	---	755	980	---	55400	---	733	---	617	542	---
TOTAL	19398	17918	24624	26214	29608	345264	934300	24431	18968	19415	17480	17353
MEAN	626	597	794	846	1021	11140	31140	788	632	626	564	578
MAX	839	868	961	1010	1450	55400	72600	1480	692	692	624	692
MIN	550	550	669	733	862	810	1610	624	603	575	523	523

CAL YR 1979 TOTAL 1390323 MEAN 3809 MAX 88400 MIN 530
WTR YR 1980 TOTAL 1494973 MEAN 4085 MAX 72600 MIN 523

02171650 SANTEE RIVER BELOW ST. STEPHENS, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (MG/L AS SIO2)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT 30...	1215	--	95	6.8	19.5	30	5	8.6	2.0	910
NOV 20...	1230	--	90	6.2	16.0	30	12	9.2	1.0	1200
DEC 28...	1045	981	89	7.1	9.5	55	204	11.0	3.0	1300
JAN 31...	1100	1310	81	7.1	6.0	150	40	10.6	1.0	4000
FEB 28...	1115	988	111	7.1	11.5	100	28	9.8	1.0	2800
MAR 12...	1045	1290	89	6.9	10.5	50	64	7.6	2.0	3300
APR 08...	1040	--	70	6.7	17.0	40	35	9.8	2.0	1000
MAY 14...	1130	910	150	6.8	25.0	100	52	--	1.0	4000
JUN 18...	1115	874	81	6.6	25.0	15	3	6.7	2.0	1200
JUL 11...	1100	922	0	6.9	29.0	6	2	6.5	1.0	950
AUG 12...	1030	778	105	6.9	29.5	15	16	6.3	1.0	1500
SEP 10...	1105	631	95	7.0	26.0	45	3	6.2	3.0	--

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 30...	--	430	100	0	130	2.0	2	--	100
NOV 20...	760	440	120	10	110	3.9	21	--	100
DEC 28...	620	680	100	0	100	4.4	1	2.6	100
JAN 31...	2600	1400	20	10	10	14	51	180	100
FEB 28...	0	6000	130	10	120	8.5	68	181	100
MAR 12...	2900	430	110	10	100	7.1	6	21	100
APR 08...	430	570	30	30	0	4.7	100	--	100
MAY 14...	3400	570	290	80	210	6.9	32	79	100
JUN 18...	830	370	170	20	150	1.8	9	21	100
JUL 11...	670	280	180	20	160	3.0	7	17	100
AUG 12...	1300	200	140	40	100	3.6	40	84	98
SEP 10...	--	150	--	--	80	4.0	12	20	94

02171680 WEDBOO CREEK NEAR JAMESTOWN, S.C.

LOCATION.--Lat 33°19'50", long 79°48'10", Berkeley County, Hydrologic Unit 03050112, on right downstream wingwall of culvert on S.C. Highway 45, 1.4 mi (2.3 km) southeast of Alvin, 3.3 mi (5.3 km) upstream from mouth and 7.5 mi (12.1 km) northwest of Jamestown.

DRAINAGE AREA.--17.4 mi^2 (45.1 km^2).

PERIOD OF RECORD.--September 1966 to Feb. 1972, Feb. 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6.1 m) (from topographic map).

REMARKS.--Records fair, except below 10 ft^3/s (0.28 m^3/s), which are poor.

AVERAGE DISCHARGE.--12 years, 12.2 ft^3/s (0.346 m^3/s), 9.48 in/yr (241 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 928 ft^3/s (26.3 m^3/s) Aug. 26, 1971, gage height, 5.96 ft (1.817 m); maximum gage-height 8.82 ft (2.688 m) (caused by backwater). No flow for many days during water year 1966-69, Aug. 14, 1973, Oct. 27 - Nov. 7, 1974, Sept. 4, 10, 11, 16-25, 27.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft^3/s (2.83 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 13	1200	477	13.5	5.16	1.573	Apr. 4	2400	(a)		*6.69	2.039
Mar. 18	2400	132	3.74	4.00	1.219	Apr. 14	1700	*490	13.9	5.19	1.582

No flow Sept. 4, 10, 11, 16-25, 27.

[a] Backwater from Santee River.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	3.1	7.6	11	46	6.6	271	4.1	1.1	.15	.09	.05
2	59	3.4	7.0	10	38	6.4	400	3.5	.95	.15	.09	.03
3	38	4.1	6.3	9.3	30	6.9	500	3.2	.81	.15	.08	.02
4	25	3.9	5.8	8.7	25	8.1	550	2.9	.68	.74	.08	.00
5	33	3.5	5.4	8.8	21	9.0	600	2.7	.49	1.7	.07	.02
6	40	3.3	13	8.2	23	13	550	2.5	.49	.38	.07	.06
7	29	3.3	46	7.5	33	12	500	2.2	.43	.17	.06	.03
8	14	3.3	50	7.3	30	16	356	2.1	.43	.15	.15	.02
9	11	3.3	40	8.7	28	37	125	2.1	.38	.14	.38	.02
10	8.4	3.4	31	8.7	58	48	51	2.0	.43	.14	.12	.00
11	6.9	4.3	24	12	71	43	33	1.8	.38	1.4	.09	.00
12	5.7	4.9	20	19	56	39	25	1.8	.38	.25	.08	.03
13	4.8	4.0	18	18	42	385	19	1.6	.38	.18	.43	.03
14	4.1	3.4	16	28	32	305	249	1.4	.38	.25	.13	.04
15	3.8	3.0	15	52	26	168	325	1.3	.25	.16	.09	.02
16	3.4	3.0	20	48	25	99	172	1.3	.20	.14	.08	.00
17	3.3	2.9	25	37	30	65	90	1.4	.20	.12	.09	.00
18	3.2	2.9	23	31	26	101	54	6.6	1.3	.12	.07	.00
19	3.2	2.8	20	30	21	120	37	3.1	.68	.11	.06	.00
20	3.2	2.7	18	26	19	93	27	3.7	.43	.11	.06	.00
21	3.1	2.7	15	21	17	99	22	2.9	.38	.10	.10	.00
22	3.0	2.7	14	18	15	89	17	4.7	.25	.11	.11	.00
23	3.1	2.7	12	28	14	63	14	15	.20	.13	.08	.00
24	3.8	2.8	12	41	12	44	11	8.8	1.5	.15	.06	.00
25	3.5	2.8	15	35	11	37	8.5	7.6	1.7	.14	.05	.00
26	3.3	27	16	31	9.7	31	6.9	5.2	.74	.18	.05	.02
27	3.2	22	14	61	8.4	26	6.6	3.4	.49	.17	.05	.00
28	3.1	12	12	77	7.6	29	6.2	2.5	.20	.13	.04	.03
29	3.0	9.9	11	62	7.2	94	5.1	1.8	.18	.11	.03	.38
30	3.0	8.5	10	46	---	119	4.9	1.5	.16	.10	.03	.19
31	3.0	---	11	40	---	132	---	1.3	---	.09	.06	---
TOTAL	425.1	161.6	553.1	849.2	781.9	2344.0	5036.2	106.0	16.57	8.12	3.03	.99
MEAN	13.7	5.39	17.8	27.4	27.0	75.6	168	3.42	.55	.26	.098	.033
MAX	91	27	50	77	71	385	600	15	1.7	1.7	.43	.38
MIN	3.0	2.7	5.4	7.3	7.2	6.4	4.9	1.3	.16	.09	.03	.00
CFSM	.79	.31	1.02	1.58	1.55	4.35	9.66	.20	.03	.02	.006	.002
IN.	.91	.35	1.18	1.82	1.67	5.01	10.77	.23	.04	.02	.01	.00

CAL YR 1979 TOTAL 6273.48 MEAN 17.2 MAX 477 MIN .55 CFSM .99 IN 13.41
WTR YR 1980 TOTAL 10285.81 MEAN 28.1 MAX 600 MIN .00 CFSM 1.62 IN 21.99

02171700 SANTEE RIVER NEAR JAMESTOWN, S.C.

LOCATION.--Lat 33°18'17", long 79°40'42", Berkeley County, Hydrologic Unit 03050112, at downstream side of bridge on U.S. Highway 17A, 0.7 mi (1.1 km) below Wittee Branch, 0.10 mi (0.16 km) upstream from Seaboard Coastline Railroad and 1.5 mi (2.4 km) northeast of Jamestown and at mile 36.4 (58.6 km).

DRAINAGE AREA.--15,044 mi^2 (38,964 km^2).

PERIOD OF RECORD.--January 1974 to July 1976, September 1977 to current year. Gage height records July 1976 to September 1977 are in reports of the National Ocean Survey. April 1929 to current year (gage heights only) are in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Prior to Jan. 4, 1974, nonrecording gage at same site and datum. Prior to Nov. 19, 1963, nonrecording gage at Seaboard Railroad trestle, 400 ft (122 m) downstream and at same datum.

REMARKS.--Tidal gage height affected at medium and higher stages by regulation from Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 32.0 ft (9.754 m) Apr. 15, 1936; minimum, 0.61 ft (0.186 m) Nov. 21, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.31 ft (5.886 m) Apr. 5; minimum, unknown.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	3.11	1.61	2.56	1.32	3.26	1.61	---	---	3.54	1.69
2	---	---	3.15	1.59	2.04	1.14	2.97	1.47	---	---	3.23	1.65
3	---	---	2.97	1.42	2.62	1.01	3.14	1.52	---	---	---	1.25
4	---	---	3.11	1.32	2.85	1.43	3.23	1.61	---	---	2.63	1.45
5	---	---	3.36	1.56	2.69	1.30	2.94	1.56	---	---	2.50	1.30
6	---	---	3.22	1.60	2.76	1.32	2.41	1.15	---	---	2.20	1.28
7	---	---	2.76	1.32	2.70	1.49	2.62	1.40	---	---	2.32	1.21
8	---	---	2.66	1.18	2.39	1.48	2.12	1.25	---	---	2.14	1.29
9	---	---	2.73	1.28	2.76	1.64	2.26	1.23	---	---	1.80	1.18
10	---	---	2.16	1.06	2.51	1.61	2.54	1.29	---	---	2.51	1.33
11	---	---	1.86	.93	2.23	1.54	2.85	1.50	---	---	2.51	1.56
12	---	---	1.97	.90	2.18	1.43	2.07	1.27	---	---	2.97	1.44
13	---	---	2.20	1.06	2.35	1.40	3.24	1.26	---	---	4.44	2.46
14	---	---	2.27	1.16	2.52	1.33	3.52	1.92	3.29	1.89	4.26	3.83
15	---	---	2.52	1.24	3.07	1.58	3.06	1.72	3.24	1.82	4.37	3.77
16	---	---	2.14	1.08	3.38	1.81	3.49	1.73	3.54	1.86	4.24	3.54
17	---	---	2.20	1.04	2.92	1.64	3.90	1.98	3.49	1.79	4.09	2.98
18	---	---	1.99	.96	3.17	1.55	4.01	2.14	3.62	2.05	---	2.94
19	2.84	1.47	2.00	.92	3.22	1.62	3.73	1.97	3.60	2.04	4.01	3.02
20	2.72	1.33	1.99	.86	2.87	1.48	3.68	1.92	3.72	1.96	4.22	2.87
21	2.67	1.22	2.09	.88	3.17	1.51	3.53	1.89	3.39	1.65	4.14	3.00
22	2.81	1.27	2.18	.91	3.48	1.73	3.44	1.90	3.02	1.70	5.94	---
23	2.75	1.24	2.21	.91	3.31	1.75	3.18	1.74	2.80	1.48	7.22	---
24	2.47	1.02	2.10	.94	3.13	1.65	---	1.42	2.59	1.40	7.78	---
25	2.91	1.20	2.34	.95	2.26	1.15	---	---	3.03	1.51	8.07	---
26	2.91	1.32	2.91	1.34	2.11	1.14	---	---	1.85	1.00	8.29	---
27	2.76	1.25	2.18	1.12	2.66	1.27	---	---	3.15	1.52	9.05	---
28	2.72	1.28	2.46	1.30	3.02	1.51	---	---	2.66	1.50	9.82	---
29	2.55	1.20	2.24	1.19	2.98	1.57	---	---	2.85	1.39	11.70	---
30	2.53	1.15	2.39	1.23	2.97	1.47	---	---	---	---	14.00	---
31	3.06	1.34	---	---	3.18	1.55	---	---	---	---	15.53	---
MEAN			2.45	1.16	2.78	1.47						

NOTE: DAILY MAXIMUM GAGE-HEIGHT ONLY FOR MAR. 22-31.

02171700 SANTEE RIVER NEAR JAMESTOWN, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.25	---	3.49	2.39	2.63	1.26	---	---	2.49	1.33		
2	18.43	---	3.46	2.16	2.64	1.34	---	---	2.42	1.24		
3	19.95	---	3.36	1.87	2.27	1.18	2.62	1.33	2.43	1.25		
4	19.24	---	3.06	1.81	2.77	1.23	2.25	1.19	2.21	1.10		
5	19.31	---	3.03	1.76	3.07	1.67	2.14	1.14	2.08	1.05		
6	19.21	---	3.09	1.91	2.83	1.57	2.25	1.10	2.16	1.13		
7	18.79	---	2.89	1.73	2.35	1.36	3.31	1.32	2.30	1.16		
8	18.16	---	2.75	1.67	2.17	1.20	3.17	1.57	---	---		
9	17.31	---	3.31	1.58	3.24	1.33	2.70	1.26	---	---		
10	16.20	---	3.48	2.03	3.14	1.60	2.50	1.17	---	---		
11	14.96	---	3.22	1.85	2.82	1.39	---	1.22	---	---		
12	13.69	---	2.85	1.59	3.66	1.84	2.64	1.32	---	---		
13	12.51	---	---	1.51	3.57	1.71	2.72	1.24	---	---		
14	11.51	---	2.83	1.63	3.30	1.42	2.84	1.50	---	---		
15	10.89	---	3.00	1.73	2.71	1.17	3.19	1.45	---	---		
16	10.41	---	3.64	2.15	2.24	1.28	2.74	1.30	---	---		
17	9.99	---	3.98	2.10	2.77	1.55	2.41	1.28	---	---		
18	9.75	---	3.69	2.19	2.94	1.68	2.07	1.15	---	---		
19	9.78	---	2.89	1.67	3.10	1.75	1.84	1.03	---	---		
20	9.98	---	2.79	1.57	3.18	1.65	1.77	.95	---	---		
21	10.09	---	2.65	1.61	3.05	1.66	1.86	.98	---	---		
22	10.11	---	2.79	1.62	2.79	1.46	1.94	.96	---	---		
23	10.01	---	2.96	1.45	3.23	1.41	1.98	.97	---	---		
24	9.66	---	2.93	1.81	2.91	1.47	2.31	1.05	---	---		
25	8.33	---	2.95	1.73	2.45	1.16	2.55	1.12	---	---		
26	6.17	---	3.53	1.86	2.59	1.16	---	1.25	---	---		
27	4.67	---	3.34	1.89	---	1.37	2.98	1.45	---	---		
28	4.04	---	3.03	1.56	---	---	3.17	1.45	---	---		
29	3.59	2.88	2.73	1.41	---	---	2.94	1.37	---	---		
30	---	2.52	2.65	1.40	---	---	2.79	1.38	---	---		
31	---	---	2.55	1.31	---	---	2.75	1.45	---	---		
MEAN			3.10	1.77								

NOTE: DAILY MAXIMUM GAGE-HEIGHT ONLY FOR APR. 1-28.

02171730 SANTEE RIVER NEAR HONEY HILL, S.C.

LOCATION.--Lat 33°14'43", long 79°31'20", Berkeley County, Hydrologic Unit 03050112, near right bank 1.7 mi (2.7 km) downstream from Echaw Creek, 4.9 mi (7.9 km) northeast of Honey Hill, and at mile 25.0 (40.2 km).

PERIOD OF RECORD.--November 1973 to July 1976, August 1977 to current year. Gage height records July 1976 to August 1977 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 13.23 ft (4.033 m) below National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage height affected at medium and higher stages by regulation from Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 26.61 ft (8.111 m) Mar. 24, 1975; minimum, 11.77 ft (3.587 m) Jan. 25, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.17 ft (7.672 m) Apr. 6; minimum, 12.12 ft (3.694 m) Feb. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	16.33	13.54	16.63	13.92	---	---	16.53	13.64	16.26	13.71	16.64	13.79
2	16.60	13.58	16.69	13.87	---	---	16.28	13.39	16.20	13.47	16.46	13.77
3	16.47	13.48	16.57	13.51	---	---	16.39	13.49	16.19	13.70	15.81	13.02
4	16.81	13.80	16.69	13.40	---	---	16.45	13.64	16.11	13.65	15.84	13.41
5	16.88	14.10	16.86	13.79	---	---	15.81	13.23	15.79	13.37	15.43	13.13
6	16.65	13.89	16.78	13.92	---	---	15.72	12.94	15.68	13.40	15.37	13.06
7	16.23	13.40	16.37	13.46	---	---	---	---	15.38	13.09	15.50	12.93
8	16.25	13.23	16.31	13.31	---	---	15.30	13.11	15.39	13.41	15.26	12.68
9	16.10	13.43	16.26	13.56	---	---	15.48	13.29	15.61	13.72	14.83	12.84
10	15.58	13.05	15.58	13.13	---	---	15.73	13.68	16.16	14.00	15.52	13.39
11	16.25	13.22	15.38	13.00	---	13.12	16.04	14.25	16.40	14.30	15.53	13.24
12	16.00	13.62	15.49	12.98	15.20	13.28	15.28	13.09	16.11	13.77	15.92	12.98
13	15.53	13.13	15.64	13.33	15.40	13.14	16.37	13.13	16.30	13.58	17.26	14.35
14	16.02	13.10	15.76	13.39	15.71	13.03	16.67	14.11	16.28	13.54	16.52	14.97
15	16.07	13.67	16.03	13.51	16.27	13.64	16.21	13.55	16.27	13.46	16.78	14.79
16	16.16	13.69	15.67	13.16	16.56	13.93	16.59	13.50	16.61	13.59	16.78	14.63
17	16.16	13.76	15.82	13.08	16.14	13.50	16.95	13.95	16.61	13.50	16.78	14.41
18	16.15	13.60	15.56	12.87	16.39	13.38	17.09	14.19	16.66	13.96	16.62	14.16
19	16.32	13.73	15.66	12.82	16.42	13.46	16.85	13.92	16.64	14.01	16.62	14.30
20	16.22	13.62	15.68	12.70	16.10	13.16	16.81	13.89	16.77	13.96	16.99	14.38
21	16.21	13.48	15.83	12.73	16.45	13.35	16.68	13.88	16.48	13.48	16.91	13.86
22	16.34	13.55	15.87	12.81	16.70	13.76	16.58	13.95	16.13	13.28	16.07	14.64
23	16.32	13.49	15.90	12.84	16.55	13.78	16.27	13.20	15.95	13.18	17.52	16.53
24	16.11	13.04	15.77	12.92	16.38	13.67	15.60	13.21	15.71	13.49	17.93	17.18
25	16.47	13.47	16.02	12.95	15.43	12.79	15.24	13.03	16.16	13.39	17.94	17.35
26	16.45	13.61	16.39	13.79	15.38	12.81	15.63	13.01	14.92	12.12	18.39	17.47
27	16.33	13.49	15.63	12.92	15.92	13.50	16.51	13.51	16.16	13.03	18.78	17.86
28	16.27	13.58	15.86	13.17	16.30	13.47	16.45	14.02	15.74	13.15	19.25	18.36
29	16.13	13.40	15.70	13.12	16.27	13.58	16.27	13.62	16.04	13.12	19.90	---
30	16.13	13.24	16.85	13.01	16.30	13.36	16.29	13.52	---	---	21.11	---
31	16.58	13.63	---	---	16.47	13.52	16.62	13.87	---	---	21.67	---
MEAN	16.26	13.50	16.04	13.23					16.09	13.50		

NOTE: DAILY MAXIMUM GAGE-HEIGHT ONLY FOR MAR. 29-31.

02171730 SANTEE RIVER NEAR HONEY HILL, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.59	---	16.40	13.75	15.92	12.92	16.04	13.34	15.90	13.00	15.94	13.12
2	23.76	---	---	13.78	16.05	13.13	16.37	13.22	15.92	13.01	15.70	12.89
3	24.54	---	16.38	13.46	16.01	12.87	16.02	13.01	15.80	13.03	15.53	12.70
4	25.00	---	16.13	13.49	15.63	12.94	15.65	12.95	15.66	12.76	15.71	12.80
5	25.16	---	16.17	13.56	16.28	13.72	15.49	12.84	15.52	12.59	15.79	12.84
6	25.17	---	16.24	13.53	16.37	13.68	15.69	12.69	15.65	12.59	15.92	12.90
7	25.07	---	16.04	13.46	15.95	13.15	16.62	13.28	15.83	12.67	15.91	13.09
8	24.76	---	15.96	13.37	15.56	12.85	16.52	13.61	15.91	12.80	16.18	13.23
9	24.37	---	16.48	13.21	16.64	12.95	16.17	13.07	15.95	12.88	16.18	13.59
10	23.72	---	16.62	14.07	16.51	13.47	15.94	12.98	15.85	12.87	15.85	13.29
11	22.99	---	16.40	13.67	16.31	13.15	16.11	12.93	15.61	12.76	15.53	13.17
12	22.17	---	16.19	13.27	17.00	13.52	16.17	13.23	---	12.69	15.96	13.32
13	21.46	---	16.20	13.16	---	13.93	---	13.04	15.40	12.75	16.05	13.57
14	20.50	---	16.38	13.16	16.87	13.76	16.13	13.56	15.33	12.79	15.71	13.24
15	20.45	---	---	13.61	16.65	13.28	16.48	13.45	15.21	12.62	15.72	13.08
16	19.93	---	16.88	14.33	16.17	12.92	16.09	13.23	14.76	12.39	16.11	13.36
17	19.62	---	17.11	14.21	15.70	13.07	15.72	13.00	15.49	12.55	16.08	13.55
18	19.47	---	16.85	13.52	16.21	13.65	15.36	12.88	15.43	13.04	15.84	13.20
19	19.29	---	16.12	13.35	16.18	13.82	15.14	12.73	15.21	12.68	15.96	13.09
20	19.28	18.92	15.97	13.56	16.33	13.96	15.09	12.60	15.52	12.54	16.34	13.42
21	19.34	19.01	15.78	13.39	16.39	13.82	15.19	12.66	16.01	13.03	16.40	13.34
22	19.36	19.05	15.81	13.44	16.33	13.86	15.29	12.62	16.33	13.35	16.41	13.34
23	19.18	18.84	16.05	13.70	16.10	13.42	15.43	12.59	16.63	13.53	16.28	13.24
24	18.94	18.39	15.98	13.56	16.52	13.59	15.76	12.71	16.67	13.63	16.38	13.37
25	18.09	16.92	16.02	13.41	16.23	13.45	16.04	12.72	16.67	13.61	16.57	13.59
26	16.91	15.43	16.61	13.71	15.89	12.95	16.39	13.03	---	13.56	16.63	13.75
27	16.80	14.61	16.48	13.90	16.07	12.94	16.55	13.32	16.60	13.54	16.79	13.69
28	16.27	13.98	16.27	13.38	16.04	12.89	---	13.29	16.43	13.47	17.03	14.32
29	16.41	13.96	16.05	13.10	---	12.79	16.33	13.14	16.26	13.42	16.99	14.18
30	16.36	13.67	15.99	13.02	15.81	12.71	16.19	13.19	16.09	13.29	16.67	14.08
31	---	---	---	12.92	---	---	16.16	13.14	16.07	13.20	---	---
MEAN			16.27	13.52	16.21	13.31	15.94	13.03	15.85	12.99	16.14	13.35

NOTE: DAILY MAXIMUM GAGE-HEIGHT ONLY FOR APR. 1-19.

02171800 NORTH SANTEE RIVER NEAR NORTH SANTEE, S.C.

LOCATION.--Lat 33°12'27", long 79°23'05", Georgetown County, Hydrologic Unit 03050112, near left bank at Hopsewee Plantation, 0.10 mile (0.16 km) upstream from U.S. Highway 17, 1.3 miles (2.1 km) southwest of North Santee, S.C., and at mile 13.0 (20.9 km).

PERIOD OF RECORD.--September 1973 to July 1975, February 1977 to current year. Gage height records July 1975 to February 1977 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 3.47 ft (1.06 m) above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage height affected at medium and higher stages by regulation from Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 9.93 ft (3.03 m) Mar. 25, 1975; minimum, 0.03 ft (0.01 m) Jan. 25, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.18 ft (2.798 m) Apr. 7; minimum, 0.97 ft (0.296 m) Feb. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.40	1.98	6.91	2.74	6.13	1.72	6.69	2.25	6.50	2.21	6.94	2.69
2	6.79	2.08	6.94	2.54	5.74	1.36	6.50	1.95	6.48	1.88	6.83	2.46
3	6.69	1.81	6.89	1.97	6.49	1.60	6.56	2.18	6.42	2.19	6.20	1.60
4	7.05	2.18	7.11	2.04	6.40	1.82	6.60	2.40	6.32	2.13	6.15	2.06
5	7.03	2.27	7.21	2.54	6.33	1.65	5.94	1.89	6.05	2.04	5.68	1.85
6	6.82	2.06	7.12	2.71	6.35	1.86	5.99	1.86	5.88	2.02	5.78	1.77
7	6.35	1.45	6.69	2.20	6.06	1.83	6.09	2.30	5.50	1.84	5.21	1.78
8	6.61	1.52	6.42	2.23	5.51	1.53	5.39	2.08	5.49	2.29	5.47	1.54
9	6.34	1.84	6.34	2.62	5.73	2.15	5.73	2.30	5.71	2.66	4.95	1.72
10	5.88	1.72	5.62	2.21	5.48	2.16	5.92	2.82	6.28	2.90	5.68	2.27
11	6.57	2.18	5.40	2.06	5.25	2.06	6.29	2.31	6.51	2.43	5.64	1.73
12	6.23	2.51	5.57	2.23	5.32	2.12	5.51	1.99	6.20	2.34	6.03	2.34
13	5.74	2.13	5.76	2.54	5.59	1.90	6.47	---	6.50	2.06	7.15	3.10
14	6.33	2.77	5.80	2.63	5.89	2.34	6.89	3.09	6.54	1.91	6.04	1.71
15	6.26	2.82	6.11	2.84	6.49	---	6.47	2.10	6.54	1.70	6.40	1.48
16	6.37	2.76	5.68	2.11	6.74	2.86	6.84	2.03	6.92	1.89	6.51	1.77
17	6.37	2.82	5.92	2.03	6.42	2.10	7.23	2.40	6.95	1.67	6.65	1.81
18	6.40	2.56	5.84	1.64	6.69	2.08	7.39	2.66	6.85	2.23	6.46	1.58
19	6.59	2.73	5.86	1.62	6.73	1.97	7.18	2.28	7.05	2.41	6.81	1.83
20	6.48	2.41	5.89	1.47	6.51	1.50	7.17	2.32	6.72	2.38	---	2.22
21	6.53	2.37	6.03	1.55	6.81	1.96	7.04	2.32	6.71	2.00	6.75	1.31
22	6.67	2.43	6.09	1.64	7.05	2.48	6.84	2.45	6.41	2.00	5.57	1.70
23	6.64	2.42	6.11	1.74	6.89	2.34	6.43	1.77	6.23	2.02	6.22	2.93
24	6.48	1.87	5.94	1.77	6.72	2.34	5.83	1.61	6.01	2.19	6.59	3.24
25	6.77	2.53	6.17	1.90	5.50	1.31	5.43	1.61	6.44	---	5.92	2.78
26	6.72	2.64	6.32	1.64	5.78	1.46	5.82	1.90	5.29	.97	6.55	3.39
27	6.62	2.54	5.70	1.77	6.21	2.14	6.73	---	6.47	1.96	6.83	3.48
28	6.53	2.60	5.86	1.81	6.64	2.19	6.61	2.54	5.99	1.76	7.08	3.84
29	6.38	2.35	5.81	1.87	6.63	---	6.47	2.05	6.31	1.62	6.69	3.43
30	6.44	2.22	6.03	1.47	6.54	1.98	6.51	1.88	---	---	6.96	3.81
31	6.88	2.74	---	---	6.62	2.16	6.79	2.37	---	---	6.70	4.42
MEAN	6.51	2.30	6.17	2.07	6.23	1.96	6.43	2.20	6.32	2.06	6.28	2.38

02171800 NORTH SANTEE RIVER NEAR NORTH SANTEE, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.52	4.86	6.49	2.19	---	1.68	6.57	2.13	6.27	1.59	6.49	2.06
2	8.06	6.36	6.54	2.43	6.44	1.90	6.72	1.97	6.37	1.72	6.24	1.92
3	8.44	7.38	6.32	2.14	6.35	1.61	6.37	1.76	6.12	1.73	6.10	1.75
4	8.50	8.04	6.36	2.31	5.95	1.47	6.01	1.51	6.02	1.41	6.27	2.01
5	8.76	8.39	---	2.37	6.58	2.67	5.78	1.41	5.94	1.30	6.34	1.95
6	9.04	8.79	6.43	2.43	6.63	2.34	5.46	1.20	6.04	1.32	6.52	2.00
7	9.18	8.76	6.23	2.22	6.21	1.65	---	---	6.28	1.49	6.45	2.19
8	9.05	8.50	6.20	1.98	5.95	1.27	---	---	6.35	1.60	6.78	2.27
9	8.93	8.05	6.72	2.68	7.08	1.53	---	---	6.35	1.70	6.69	2.69
10	8.38	7.76	6.82	2.72	6.84	1.94	---	---	6.24	1.65	6.31	2.31
11	7.97	7.10	6.62	2.02	6.73	1.61	---	---	6.01	1.48	6.30	2.31
12	7.76	6.49	6.60	1.60	7.39	2.10	---	---	5.71	1.51	6.50	2.60
13	7.52	5.81	6.64	1.48	7.17	2.59	---	---	5.65	1.51	6.32	2.78
14	7.64	5.47	6.83	1.52	6.95	2.47	---	---	5.42	1.60	6.11	2.53
15	6.93	4.12	7.27	2.06	---	2.04	---	---	4.96	1.47	6.14	2.45
16	7.24	3.57	---	3.03	6.53	1.75	---	---	4.92	1.28	6.56	2.86
17	7.39	3.85	7.41	2.83	6.07	1.86	---	---	5.79	1.69	6.45	2.91
18	7.15	3.62	7.07	2.10	6.52	2.67	---	---	5.61	2.08	6.30	2.55
19	---	3.47	6.35	2.08	6.34	2.83	---	---	5.42	1.80	6.44	2.46
20	6.87	3.65	6.22	2.37	6.49	2.99	---	---	5.82	1.64	6.84	2.71
21	6.79	3.84	5.91	2.26	6.57	3.07	---	---	6.31	2.14	6.93	2.37
22	6.70	3.77	5.94	2.34	6.51	3.06	---	---	6.65	2.40	6.95	2.25
23	5.97	3.29	6.15	2.64	6.33	2.49	---	---	6.95	2.50	6.90	2.02
24	6.20	3.45	6.07	2.40	6.75	2.74	---	---	7.01	2.45	6.96	2.13
25	6.28	3.00	6.14	2.21	6.51	2.39	6.44	1.56	7.03	2.33	7.16	2.40
26	6.32	2.69	6.79	2.58	6.23	1.77	6.76	1.93	6.98	2.26	7.09	2.57
27	6.53	2.51	6.69	2.65	6.48	1.78	6.93	2.13	6.78	2.13	7.36	2.61
28	6.11	2.09	6.57	2.15	6.50	1.68	6.69	1.90	6.63	2.08	7.45	3.42
29	6.32	2.20	6.38	1.82	6.32	1.56	6.60	1.82	6.52	1.98	7.45	3.16
30	6.35	1.90	6.35	1.69	---	1.53	6.56	1.86	6.60	2.06	7.01	3.16
31	---	---	6.31	1.60	---	---	6.08	1.79	6.60	2.07	---	---
MEAN	7.44	5.09	6.50	2.22	6.53	2.10			6.17	1.81	6.65	2.45

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, S.C.

LOCATION.--Lat 33°11'40", long 79°16'24", Georgetown County, Hydrologic Unit 03050112, near left bank at AIC Waterway in Annandale Plantation, 6.5 miles (10.5 km) southeast of North Santee, S.C.

PERIOD OF RECORD.--November 1973 to May 1975, October 1975 to current year. Gage height records May 1975 to October 1975 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 18.08 ft (5.51 m) above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage height affected at times by regulation from Lake Marion (see sta 02171000).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 23.92 ft (7.29 m) Sept. 4, 1979; minimum, 14.80 ft (4.51 m) Jan. 9, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.85 ft (6.96 m) Jan. 18; minimum, 16.28 ft (4.96 m) Mar. 15.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.80	17.21	22.27	17.99	---	---	22.21	17.36	21.84	17.31	22.21	17.87
2	22.28	17.26	22.41	17.68	---	---	22.00	17.08	21.85	17.00	22.16	17.67
3	22.25	16.99	22.31	17.07	---	---	22.07	17.31	21.75	17.32	21.54	16.82
4	22.63	17.31	22.59	17.22	---	---	22.13	17.53	21.64	17.27	21.39	17.31
5	22.44	17.20	22.73	17.72	---	---	21.36	17.04	21.39	17.21	20.92	17.11
6	22.29	17.04	22.63	17.93	---	---	21.47	16.97	21.24	17.20	21.02	17.00
7	21.69	16.49	22.06	17.39	---	---	21.44	17.49	20.77	17.15	20.73	17.06
8	22.03	16.62	21.99	17.48	---	---	20.73	17.29	20.76	17.48	---	16.78
9	21.69	16.98	21.89	17.93	---	---	20.89	17.54	21.02	17.85	20.18	16.98
10	21.26	16.91	21.06	17.52	---	17.37	21.04	18.03	21.56	18.09	20.95	17.55
11	21.91	17.43	20.82	17.36	20.42	17.31	21.48	17.61	21.79	17.63	20.94	17.03
12	21.54	17.75	21.07	17.54	20.54	17.38	20.68	17.21	21.52	17.21	21.17	17.55
13	21.06	17.44	21.23	17.92	20.83	17.14	21.66	18.29	21.83	---	22.51	17.94
14	21.65	18.06	21.26	17.98	21.09	17.60	22.12	---	21.90	17.01	21.06	16.57
15	21.57	18.08	21.63	17.76	21.74	---	21.66	17.29	21.89	16.76	21.50	16.28
16	21.71	18.00	21.15	17.43	22.07	18.03	22.17	17.18	22.32	16.96	21.76	16.55
17	21.66	18.04	21.49	17.34	21.71	17.27	22.66	17.50	22.40	16.68	21.94	16.63
18	21.75	17.77	---	16.90	22.03	17.25	22.85	17.72	22.34	17.32	21.75	16.41
19	21.93	17.98	---	---	22.09	17.12	22.58	17.33	22.43	17.46	22.24	16.76
20	21.84	17.60	---	---	21.81	16.63	22.60	17.42	22.04	17.47	22.13	17.21
21	21.91	17.60	---	---	22.25	17.11	22.41	17.42	22.00	17.15	20.82	16.40
22	22.03	17.69	---	---	22.46	17.58	22.18	17.53	21.66	17.24	20.78	16.72
23	22.03	17.65	---	---	22.18	17.47	21.69	16.97	21.48	17.26	21.23	17.70
24	21.85	17.12	---	---	22.09	17.50	21.14	16.80	21.26	17.41	21.64	17.99
25	22.15	17.80	---	---	20.75	16.37	20.75	16.82	21.68	17.91	21.04	17.45
26	22.06	17.94	---	---	21.06	16.67	21.01	17.09	20.66	16.34	21.64	18.06
27	21.92	17.76	---	---	21.45	17.31	22.11	17.70	21.78	17.58	21.98	---
28	21.83	17.87	---	---	21.96	17.36	21.87	17.68	21.23	16.96	22.23	18.30
29	21.63	17.61	---	---	21.93	---	21.77	17.14	21.59	16.83	21.70	17.63
30	21.69	17.46	---	---	22.05	17.08	21.83	17.00	---	---	22.11	17.85
31	22.21	17.96	---	---	22.19	17.27	22.14	17.49	---	---	21.68	17.64
MEAN	21.88	17.50	21.80	17.56	21.65	17.24	21.76	17.36	21.64	17.25	21.50	17.23

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.28	17.70	---	---	21.89	17.06	21.54	16.58	21.63	17.09	21.85	17.38
2	22.17	18.39	---	---	21.73	17.17	21.94	17.26	22.00	17.25	21.60	17.26
3	22.00	18.32	---	---	21.38	16.80	21.55	17.00	21.68	17.25	21.48	17.11
4	21.32	18.29	---	---	21.99	17.30	21.34	16.95	21.58	16.97	21.62	17.31
5	21.75	18.05	---	---	22.01	17.68	21.72	16.73	21.55	16.86	21.72	17.30
6	21.83	18.50	---	---	21.70	17.84	22.57	17.81	21.62	17.02	21.91	17.35
7	---	18.59	---	---	21.44	17.00	22.46	17.73	21.89	17.04	21.83	17.55
8	21.69	18.57	---	---	21.41	16.65	22.17	17.15	21.96	17.15	22.26	17.62
9	21.93	18.21	---	---	22.71	17.33	21.22	16.58	22.03	17.24	22.08	17.99
10	21.46	17.91	---	---	22.45	17.21	22.13	17.01	21.87	17.16	21.67	17.63
11	21.63	17.81	---	---	22.29	16.88	22.22	17.41	21.57	17.01	21.66	17.64
12	22.13	17.76	---	---	23.16	17.41	22.19	17.44	21.29	17.07	21.85	17.98
13	22.38	17.61	22.20	---	22.84	17.86	22.06	17.19	21.20	17.01	21.66	18.10
14	22.60	17.79	22.46	16.74	22.55	17.79	22.40	18.01	20.95	17.16	21.37	17.90
15	21.95	16.88	22.94	17.32	22.04	16.59	21.93	17.67	20.50	17.01	21.51	17.85
16	22.33	16.88	23.09	18.24	21.50	16.53	21.56	17.60	20.45	16.85	21.93	18.24
17	22.57	17.47	---	17.96	22.03	17.84	21.08	17.29	21.29	17.24	21.74	18.31
18	22.26	17.54	---	---	21.78	18.24	20.89	17.24	21.05	17.65	21.62	17.94
19	22.08	17.47	21.72	17.38	21.90	18.44	20.61	17.33	20.94	17.41	21.77	17.87
20	---	17.84	21.69	17.46	21.53	18.50	20.83	17.36	21.34	17.24	22.28	18.09
21	21.92	18.04	21.25	17.71	21.97	18.49	20.94	17.83	21.88	17.76	22.42	17.72
22	21.86	17.97	21.30	17.01	21.90	17.91	21.02	17.32	22.26	17.96	22.45	17.55
23	21.02	17.47	21.55	17.03	21.76	18.16	21.33	17.27	22.69	18.02	22.40	17.41
24	21.07	---	21.41	17.77	22.22	17.83	21.74	17.27	22.80	17.91	22.54	17.41
25	21.34	17.33	22.48	17.64	22.02	16.49	22.02	17.08	22.81	17.43	22.76	17.64
26	21.41	17.66	22.31	17.93	22.05	16.60	22.47	17.48	22.75	17.65	22.62	17.84
27	---	---	22.09	17.96	22.11	16.55	22.70	17.63	22.56	17.58	23.02	17.84
28	---	---	22.00	17.54	21.95	16.56	22.33	17.39	22.28	17.51	23.06	18.60
29	---	---	21.82	17.17	22.26	16.57	22.25	17.31	22.18	14.37	23.10	18.34
30	---	---	21.78	17.04	22.35	17.65	22.23	17.32	22.04	17.31	22.52	18.45
31	---	---	21.78	16.95	---	---	21.88	17.27	21.99	17.37	---	---
MEAN	21.87	17.84	21.99	17.46	22.03	17.36	21.78	17.31	21.76	17.21	22.08	17.77
YEAR	21.81	17.42										

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, S.C.--Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--January 1979 to current year.

INSTRUMENTATION.--USGS mini-monitor since January 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 99,500 micromhos July 14, 1980.
MINIMUM: Less than 100 micromhos Mar. 7-14, 1979, Apr. 2-14, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 99,500 micromhos July 14.
MINIMUM: Less than 100 micromhos Apr. 2-14.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17400	10400	12700	42300	27000	34900	35300	20800	26500	---	---	---
2	36300	11000	16000	44700	28400	35600	30900	21500	25300	---	---	---
3	39300	10700	18000	43700	28600	34700	43300	20800	28400	---	---	---
4	46900	12800	24600	47300	30400	37700	40600	23900	29600	---	---	---
5	36200	11000	23900	48200	31600	39600	40600	22700	29300	---	---	---
6	38900	10900	21400	46900	34100	40000	38800	22300	28700	---	---	---
7	25700	8700	17100	44900	34800	39200	30700	20100	25000	---	---	---
8	38400	10800	18600	44000	33100	38200	25700	13100	19900	30300	25200	26800
9	27300	14200	19000	41900	31800	37300	24600	14700	18100	31700	23700	24200
10	22100	13200	16900	39300	30500	34300	21000	15100	17200	30800	24400	26700
11	32400	14300	19000	34500	25100	30600	18300	11800	15700	32700	22400	26300
12	25700	15700	20300	32300	22800	28100	16400	12000	13900	27300	21000	23400
13	22400	12700	17600	33600	23700	28000	17500	12600	14300	40900	19800	29700
14	23000	9100	13700	33000	26000	29200	21200	13700	15700	41400	23600	30100
15	23300	15400	19200	35900	26500	30600	31900	16200	23600	31900	23400	27800
16	25600	17700	20700	34000	27500	30500	36000	19400	25300	43100	23200	29600
17	26200	17600	21200	34700	27800	29900	28100	18800	24000	45100	23000	32500
18	27200	17300	21100	32800	26800	29200	38000	19300	25000	46300	25200	33300
19	30000	17900	23200	35900	26400	29600	40000	19600	25900	46600	25100	32500
20	29700	18400	23700	37700	25400	30200	39000	18500	25400	47400	25500	32700
21	30500	19300	24400	40200	26000	31200	43100	21200	28900	43700	25700	32100
22	32600	20300	25800	39800	26700	31500	44900	23700	31900	37800	25300	31000
23	33400	21400	26300	37400	24000	31000	41700	25200	31900	34100	13300	26400
24	33700	20700	25600	35900	23600	30100	38600	25400	30800	25400	13600	18900
25	39000	22300	28600	39200	21900	30200	31600	20600	25300	20900	12700	16200
26	37700	24000	29900	38800	21300	27700	29900	19800	23300	21800	13100	16800
27	36700	25500	30300	28900	17300	22800	36100	22300	28400	35500	15200	21300
28	35900	26000	30600	29900	19300	23100	---	---	---	26000	15900	19600
29	34200	26200	30000	29100	18500	22700	---	---	---	22900	9300	16100
30	35800	26000	29900	33600	19800	24600	---	---	---	24900	7800	15400
31	43800	26900	33000	---	---	---	---	---	---	30300	12300	17500

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, S.C.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	19700	5300	13700	46800	22400	31100	1000	100	400	25500	10900	16300
2	19800	5500	12900	40600	22600	29000	700	100	---	28000	13700	19000
3	18600	10300	14000	36100	22400	27100	700	100	---	25300	14600	18900
4	17500	1200	13100	36800	23600	28800	600	100	---	27000	15400	19200
5	17600	3800	10900	32200	23800	27200	500	100	---	27100	15600	20400
6	13900	8200	11100	31100	20500	24600	400	100	---	28800	17000	21700
7	10900	6600	8750	29100	19600	23300	400	100	---	26700	17800	21600
8	14800	7400	10300	27600	14200	20800	400	100	---	26800	18200	22000
9	16000	10800	13000	22000	15500	18000	500	100	---	38600	20500	26000
10	23200	11800	16000	30000	16400	20200	500	100	---	38600	21800	29900
11	24100	12400	16800	24200	16300	19500	400	100	---	36500	23900	30000
12	19700	12200	14800	27100	15800	20400	400	100	---	42000	22500	28900
13	23600	11300	15800	38400	10800	19400	500	100	---	48100	22600	34700
14	27300	9600	16400	15500	6100	10000	500	100	---	49200	26100	35600
15	32500	12400	18200	16400	2200	6240	500	100	293	49600	29100	39700
16	42800	14100	22400	18800	1600	6430	4800	100	564	49900	33700	42900
17	43900	13700	24900	26600	1000	7960	7600	200	1560	48900	36100	42600
18	40100	18700	27600	21200	3000	7660	4100	100	1680	47100	33300	38600
19	40700	21900	29000	27500	5800	10900	3400	100	1600	39200	30500	34000
20	40900	23000	29200	23400	5600	11500	6000	700	1870	35800	28300	31300
21	34200	13700	25100	17400	3800	7880	3200	100	1400	33200	26100	28900
22	29100	11700	20200	6500	800	3960	4500	200	1470	32700	25500	27900
23	25200	13500	17900	12900	1300	5250	2100	200	1130	33300	24300	28100
24	21800	14800	17800	6900	1600	3800	9800	100	2070	30000	21900	25400
25	26600	16000	19800	3700	200	1700	7600	800	2700	29300	21700	25000
26	20100	10600	15100	7300	300	2090	10400	1600	3470	39800	23300	28300
27	34400	12900	21000	6700	1700	3120	9900	1500	3600	36800	24100	30600
28	29900	16800	22700	2700	300	1700	12600	3600	6320	35000	24300	28800
29	35800	18700	25500	1900	200	1090	15800	6200	9000	34600	23200	27300
30	---	---	---	3000	100	888	19600	6900	11600	36000	22500	27000
31	---	---	---	1300	100	627	---	---	---	26800	400	22800

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	48200	32100	38900	---	---	---	47800	41600	45200
2	---	---	---	46600	34200	40000	---	---	---	46900	39800	43600
3	---	---	---	44300	36900	40100	---	---	---	44500	32900	40300
4	---	---	---	42400	33700	37900	---	---	---	45700	36700	40900
5	---	---	---	41200	33400	36800	---	---	---	45900	31800	40500
6	40400	27600	34600	45100	32200	36700	44100	31300	36700	46600	34400	41000
7	39600	26400	32400	49400	33100	41000	45500	30700	36400	45400	36200	41100
8	39100	24900	30600	48900	34600	41500	45600	32400	37400	48500	37100	41800
9	46400	24000	34900	47100	34400	40600	47200	31900	38600	47000	34600	41800
10	45300	25300	38100	46900	33500	40000	44000	34700	38900	45000	33900	41300
11	98800	300	40100	47400	31800	36700	---	---	---	43900	37400	41000
12	97500	200	41000	86000	30200	40000	---	---	---	44900	39000	41300
13	94000	2400	39600	89400	2400	38300	---	---	---	43500	38400	40900
14	44100	31000	40100	99500	34400	44000	---	---	---	42200	35900	39500
15	43300	31400	38200	51700	2400	40300	---	---	---	41700	37200	38500
16	41800	31000	37600	43700	36200	39900	---	---	---	42400	36400	38300
17	42800	28700	33200	41200	32700	37600	---	---	---	41300	35700	39300
18	44200	28300	33600	43800	29600	34800	---	---	---	39600	34600	36900
19	39800	29200	33500	37500	29500	32600	---	---	---	39700	34100	36100
20	44400	27200	38700	36100	28900	31700	---	---	---	44300	34100	37300
21	44800	36400	40600	37300	27900	31900	---	---	---	46300	34500	38500
22	45200	33800	40000	37500	28200	31700	---	---	---	46600	34700	39400
23	43200	34000	39100	37800	28000	31900	---	---	---	46200	34700	39300
24	46500	35400	39400	42100	27900	33500	---	---	---	46700	34600	39700
25	42400	35200	38700	44500	28600	34300	---	---	---	46300	35200	40800
26	39700	33100	36600	63700	26800	35000	---	---	---	46000	36400	41400
27	89000	2400	36800	46900	26700	34700	---	---	---	48700	39500	44100
28	63800	400	35900	63600	29200	35100	---	---	---	49100	41600	45400
29	44800	24000	35900	39500	29100	34800	48400	43700	45700	48800	39600	43800
30	47600	31400	36400	---	---	---	48800	43600	46200	44900	37700	41400
31	---	---	---	---	---	---	48700	44000	46200	---	---	---
YEAR	99500	100	26600									

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.

LOCATION.--Lat 33°08'45", long 79°19'22", Charleston County, Hydrologic Unit 03050112, near right bank in Santee Gun Club, 1.3 miles (2.1 km) downstream from Pleasant Creek, and 9.0 miles (14.5 km) northeast of McClellanville, S.C. and at mile 5.1 (8.2 km).

PERIOD OF RECORD.--November 1973 to May 1975, October 1975 to current year. Gage height records May 1975 to October 1975 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 19.55 ft (5.96 m) above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage heights.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 26.44 ft (8.06 m) Nov. 6, 1975; minimum, 15.13 ft (4.61 m) Jan. 25, 1979.

EXTREMES FOR CURRENT YEAR.--Insufficient record to determine extremes.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.73	16.85	22.56	17.96	22.11	16.97	22.23	17.02	21.84	17.00	22.15	18.01
2	22.25	16.91	22.78	17.69	21.77	16.64	21.99	16.74	21.82	16.69	22.15	17.31
3	22.24	16.61	22.66	17.12	22.77	16.87	22.11	17.01	21.77	17.02	21.49	16.55
4	22.63	16.93	22.96	17.22	22.44	17.09	22.17	17.21	21.59	16.98	21.39	16.99
5	22.43	16.92	23.07	17.70	22.36	16.96	21.37	16.74	21.35	16.95	20.87	16.81
6	22.28	16.73	22.95	17.87	22.36	17.20	21.77	16.75	21.15	16.91	20.94	16.76
7	21.69	16.20	22.40	17.41	21.96	17.16	21.48	17.21	20.46	16.89	20.66	16.77
8	22.00	16.30	22.32	17.53	21.28	16.88	20.68	17.07	20.67	17.21	20.08	16.55
9	21.68	16.62	22.22	17.97	21.53	17.49	20.85	17.36	20.91	17.60	20.85	16.72
10	21.23	16.55	21.37	17.66	21.23	17.14	21.05	17.75	21.49	17.82	20.82	17.24
11	21.85	17.06	21.10	17.44	20.37	17.08	21.44	17.36	21.73	17.33	21.11	16.69
12	21.48	17.36	21.34	17.63	20.47	17.12	20.64	17.02	21.47	16.92	22.40	17.20
13	20.95	17.12	21.51	17.93	20.76	16.90	21.70	18.10	21.81	17.20	21.02	16.69
14	21.57	17.74	21.59	17.98	21.02	17.32	22.16	17.04	21.87	16.71	20.97	16.01
15	21.41	17.71	21.93	17.83	21.75	17.97	21.72	17.18	21.88	16.46	21.48	16.27
16	21.60	17.65	21.42	17.50	22.05	17.71	22.21	16.88	22.36	16.90	21.74	16.34
17	21.94	17.93	21.79	17.40	21.75	16.98	22.71	17.18	22.45	16.38	21.86	16.36
18	22.03	17.79	21.64	16.99	22.04	16.97	22.91	17.42	22.38	17.01	21.69	16.11
19	22.20	17.95	21.83	16.96	22.14	16.88	22.77	17.06	22.46	17.17	22.18	16.78
20	22.14	17.60	21.87	16.82	21.85	16.38	22.66	17.16	22.01	17.17	22.03	16.81
21	22.21	17.60	21.99	16.91	22.32	16.81	22.45	17.19	21.67	16.83	20.68	16.01
22	22.34	17.68	22.03	16.98	22.52	17.27	22.20	17.25	21.41	16.93	21.05	16.34
23	22.35	17.67	22.06	17.12	22.22	17.18	21.66	16.60	20.73	16.97	21.46	17.34
24	22.19	17.14	39.55	17.13	22.05	17.21	21.14	16.77	21.19	17.11	21.04	17.58
25	22.47	17.84	22.09	17.24	20.72	16.23	20.66	16.58	21.65	16.95	20.63	17.03
26	22.41	17.92	22.10	16.92	21.07	16.50	20.96	16.83	20.57	16.97	---	---
27	22.22	17.79	21.52	17.15	21.48	17.00	22.05	17.39	21.77	16.65	21.74	18.10
28	22.12	17.70	21.77	17.13	22.01	17.04	21.85	17.36	21.19	16.65	22.02	17.95
29	21.95	17.59	21.72	---	21.97	16.79	21.76	16.85	21.55	17.21	21.59	17.23
30	22.00	17.47	22.03	16.75	22.12	17.48	21.80	16.68	---	---	21.92	17.41
31	22.51	17.96	---	---	22.23	16.96	22.12	17.12	---	---	21.45	17.26
MEAN	22.00	17.32	22.61	17.38	21.76	17.04	21.78	17.09	21.56	16.99	21.38	16.91

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.10	17.25	---	---	21.98	16.82	---				21.42	16.49
2	21.97	18.03	---	---	---	---	---				21.10	16.41
3	21.84	18.23	---	---	---	---	---				20.94	16.27
4	21.28	18.42	---	---	---	---	---				21.06	16.50
5	21.63	18.30	---	---	---	---	---				21.19	16.47
6	21.72	18.82	---	---	---	---	---				21.36	16.47
7	---	18.88	---	---	---	---	---				21.31	16.64
8	21.58	18.82	---	---	---	---	---				21.72	16.76
9	21.81	18.40	22.02	17.37	---	---	---				21.55	17.07
10	21.32	18.03	22.20	17.49	---	---	---				21.10	16.75
11	21.47	17.74	21.94	16.75	---	---	---				21.11	16.78
12	21.98	17.68	22.03	16.39	---	---	---				21.28	17.10
13	22.30	17.42	22.10	16.33	---	---	---				21.12	17.25
14	22.53	17.63	22.39	16.32	---	---	---				20.78	17.06
15	21.85	16.63	22.83	16.89	---	---	---				20.95	17.04
16	22.26	16.52	22.98	17.79	---	---	---				21.31	17.43
17	22.48	17.15	22.42	17.54	---	---	15.66				21.15	17.45
18	21.40	17.15	---	16.96	---	---	15.22				21.02	17.09
19	---	---	21.59	16.97	---	---	15.21				21.19	17.01
20	---	---	21.40	17.28	---	---	15.01				21.72	17.20
21	---	---	21.06	17.17	---	---	15.10				21.88	16.83
22	---	---	21.07	17.28	---	---	15.45				21.96	16.62
23	---	---	21.36	17.60	---	---	16.09				21.89	16.42
24	---	---	21.21	17.33	---	---	16.85				22.05	16.52
25	---	---	21.20	17.35	---	---	---				22.22	16.76
26	---	---	22.11	17.56	---	---	---				22.08	17.02
27	---	---	21.88	17.58	---	---	---				22.71	17.13
28	---	---	21.80	17.20	---	---	---				22.70	17.94
29	---	---	21.64	16.89	---	---	---				22.70	17.65
30	---	---	21.58	16.79	---	---	---				22.13	17.72
31	---	---	21.60	16.68	---	---	---				---	---
MEAN	21.85	17.04	21.84	17.11	21.98	16.82	15.58				21.56	16.76
YEAR	21.62	17.13										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.--Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--January 1979 to current year.

INSTRUMENTATION.--Servo Programmer since January 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum 79,900 micromhos Mar. 26, 1979.
MINIMUM: 200 micromhos, Mar. 7-19, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum >60,000 micromhos Sept. 3-5, 26-30.
MINIMUM: <540 micromhos, Mar. 13-18, 22-27, Apr. 1-27.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	35400	3950	15900	42700	22200	36000	37100	14800	26700	42300	18100	30900
2	59200	5000	26100	45800	24300	37000	35800	12500	23500	41200	15500	29200
3	43800	15400	31300	45000	20300	35000	44200	14800	29100	41000	17500	29900
4	41000	29700	36200	47200	23300	36900	40800	17200	29100	42700	18000	30300
5	52400	18100	40000	49600	26200	38500	40200	17000	29000	35400	14500	25400
6	51800	18300	34100	47200	28800	38000	39900	18200	29000	36000	13300	24000
7	40400	11000	25700	40800	27600	35600	34800	14100	23200	36900	16700	26400
8	55600	9380	26700	40600	26800	35100	29700	8590	17800	37500	16900	24300
9	39900	9240	23800	40600	29400	35000	30100	10100	17600	37500	16400	24500
10	---	---	---	37700	27800	32900	23900	10500	15300	32900	17100	23900
11	---	---	---	40000	22400	31900	25900	7370	14500	35200	15500	26000
12	---	---	---	38500	23100	30800	25900	7660	14200	29400	12400	19600
13	---	---	---	38100	24300	31700	30100	7950	15700	38700	14600	26600
14	---	---	---	36900	26200	31800	28200	9310	15800	39500	12200	26600
15	---	---	---	39300	26800	33400	34800	10400	21200	31700	10500	20400
16	---	---	---	37700	22200	31200	38500	10400	22200	43800	10200	26000
17	36600	13900	22600	38900	20700	31000	29400	7530	17000	45800	11400	30300
18	35200	13100	23000	39300	20300	30300	41400	7430	21700	44600	12800	30700
19	36400	15000	25600	39500	20100	31100	40000	8590	22400	45400	11700	28900
20	34800	11500	24900	39500	19800	30500	39100	7190	20700	46200	12200	29300
21	35200	15300	25400	39100	20600	30700	44200	8760	25200	43400	13300	28500
22	36700	16100	26900	38500	22200	31000	45400	13400	28600	38300	14000	27300
23	37700	16600	27000	39500	23300	31500	40200	14100	27700	34400	7140	20700
24	39900	13600	26600	37500	24100	31200	39700	15400	27300	34800	8930	14200
25	39700	18700	30300	39500	24100	32500	38100	12700	22100	38500	8290	21000
26	39700	19400	30400	39700	15200	27900	39700	13400	24600	33800	2840	14900
27	38500	19400	29700	35600	14200	24000	39500	18400	29600	37500	4040	16800
28	38300	21000	30300	36000	15100	25400	40200	17900	30400	29700	2750	13100
29	38500	20800	30300	35800	13600	23600	38700	17300	29300	31700	2500	12000
30	39100	19400	29900	39300	13400	26000	41400	16700	30200	26400	4400	13500
31	44200	22000	33800	---	---	---	42300	17800	31100	23500	4510	12700

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	23900	3050	10700	43100	19100	31300	668	540	---	40800	6070	21600
2	25700	5500	12200	41400	15500	27600	---	540	---	40600	9310	24200
3	19400	4080	9770	34800	11700	21000	---	540	---	43800	10400	24700
4	---	---	---	36000	16600	25700	677	540	---	46200	11900	25600
5	---	---	---	37700	14800	24900	---	540	---	46200	14800	24200
6	---	---	---	37300	11400	22100	---	540	---	48600	17100	31600
7	---	---	---	32300	12400	20600	---	540	---	52800	18100	33000
8	---	---	---	31100	10900	19000	---	540	---	54000	16300	35100
9	---	---	---	30500	7610	17300	---	540	---	54400	25100	40300
10	---	---	---	33600	11300	19400	---	540	---	51000	28200	40800
11	---	---	---	30100	6050	15700	---	540	---	45400	25700	37700
12	---	---	---	32900	8110	15800	---	540	---	55200	24700	37800
13	---	---	---	38100	540	---	---	540	---	56800	25900	40800
14	---	---	---	2950	540	---	2830	540	---	57600	30300	43100
15	27800	3820	15000	13800	540	---	779	540	---	57600	33400	45500
16	41400	4400	20500	15100	540	---	35600	540	---	57200	37700	48600
17	44600	3620	24200	23300	540	---	23500	540	---	56800	36400	48700
18	43100	9410	25600	32100	540	---	5040	540	---	54800	31100	41100
19	43100	10400	24500	36000	546	9170	1490	540	---	45800	24500	36200
20	42300	12700	26800	34200	562	8380	803	540	---	45000	22500	33600
21	35400	10200	21600	20500	603	4570	---	540	---	36000	18200	28500
22	31700	10100	18900	7110	540	---	---	540	---	39100	19100	28800
23	34200	10600	19700	8270	540	---	---	540	---	35800	25900	29300
24	37100	10200	20600	4630	540	---	---	540	---	28200	15800	23200
25	35600	10100	22100	---	540	---	---	540	---	36200	13200	23400
26	38100	5200	15100	698	540	---	11900	540	---	---	---	---
27	42000	11500	28400	945	540	---	27200	540	---	---	---	---
28	44200	11900	29800	---	---	---	34200	779	11200	---	---	---
29	42000	14700	29700	---	---	---	38500	1860	16700	---	---	---
30	---	---	---	---	---	---	40600	3210	19200	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	41000	29000	36000	23100	16500	20100	16400	13800	15100
2	---	---	---	40000	28400	34300	24600	17500	20600	14700	11600	13200
3	---	---	---	38700	30300	34100	26000	17600	20500	60000	11200	---
4	---	---	---	38300	26800	32800	23000	17700	19600	60000	32600	---
5	---	---	---	38300	26200	32400	20700	17300	17900	60000	31100	---
6	44600	33200	39900	38500	20300	32300	18700	16000	17700	59700	32200	45200
7	45800	27400	36400	40400	24100	33300	17800	14700	15600	52700	27900	42100
8	46200	22700	36100	40200	23900	33300	18700	13200	16300	56100	30000	41100
9	51000	26400	40900	34800	22500	28300	17300	15100	15600	38600	25500	32100
10	44100	32500	41900	40600	26600	31000	17300	13700	15500	31900	23600	28300
11	52400	33400	41300	40200	25300	32800	15600	11900	13600	29600	22200	25600
12	56800	33200	42900	37100	27600	32900	15100	11000	13300	28600	23100	25200
13	56000	36900	49400	34600	22400	29000	15100	11000	12900	26400	22700	24300
14	55200	34100	47400	32100	19200	25200	15800	10200	13600	24300	20100	22700
15	55200	38500	46600	31700	20000	26500	16000	9700	13600	22300	21100	21800
16	57200	37300	45700	30700	18400	22600	16400	10400	12200	22300	20500	21700
17	54400	34400	43200	34000	17200	21500	14500	9340	10900	23200	21100	22400
18	49100	35000	40400	33200	16800	24300	11800	8300	10600	23000	19700	22500
19	44200	34000	39700	32400	16600	23400	11500	8280	9310	22900	19400	21700
20	43800	36000	34800	30900	16000	22600	12000	8720	10500	31500	4940	10600
21	44200	33000	39100	31700	16300	22600	11100	8280	9700	32700	19400	20800
22	41400	33200	34100	29000	20300	23800	11000	8140	9870	22700	20000	21300
23	40000	28400	36300	29400	19000	23800	10400	8420	9330	22400	21000	22100
24	44600	28400	36900	29400	18400	23500	10400	8140	9540	22600	20700	21900
25	39700	30700	35900	30100	18500	23300	10500	8440	9550	22900	21300	22200
26	34700	24900	33400	29500	18100	22800	10600	8030	9180	60000	23100	---
27	41600	24500	33800	28600	16900	19800	---	---	---	60000	41200	---
28	42700	26200	33800	24000	17900	20200	---	---	---	60000	50600	---
29	45000	26800	34500	25400	18100	20800	19600	17200	18400	60000	36400	---
30	43100	22400	34200	23800	17400	18800	19200	15200	17200	44600	28600	37800
31	---	---	---	22700	18400	19500	17600	14400	16000	---	---	---
YEAR	60000	540	26200									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

02172000 LAKE MOULTRIE NEAR PINOPOLIS, S.C.

LOCATION.--Lat 33°14'40", long 79°59'30", Berkeley County, Hydrologic Unit 03050201, at powerplant 0.7 mi (1.1 km) upstream from Seaboard Coast Line Railroad bridge and 2.8 mi (4.5 km) northeast of Pinopolis.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Pinopolis Reservoir near Pinopolis.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1924 (levels by South Carolina Public Service Authority). Prior to May 16, 1942 and Feb. 25 to Dec. 14, 1970, nonrecording gage and May 17, 1942 to Sept. 30, 1963, water-stage recorder at same site at datum 0.25 ft (.076 m) lower.

REMARKS.--Lake is formed by earth dikes and dam, with concrete navigation locks; dikes and dam completed in 1941. Storage began in November 1941. Water is diverted through canal (see sta 02170500) from Lake Marion (see sta 02171000) and discharged through tailrace canal into West Branch Cooper River. Usable capacity, 33,170,000,000 ft^3 (939,400,000 m^3) between elevation 60.0 ft (18.29 m) (normal limit of drawdown) and 76.8 ft (23.41 m) (maximum normal elevation). Dead storage, about 16,600,000,000 ft^3 (555,100,000 m^3). Figures given herein represent usable contents. Water is used for generation of power and for navigation. Records of contents at end of month published for water years prior to 1964 were computed from elevations 0.25 ft (.076 m) too high. Records of change in contents published for the same period are slightly in error.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 76.21 ft (23.229 m) Oct. 14, 1959 (affected by high wind); minimum, 58.52 ft (17.837 m) Dec. 21, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 75.06 ft (22.878 m) June 9; minimum, 70.14 ft (21.379 m) Jan. 18.

Capacity table (elevation, in feet and meters) and
usable contents (in billions of cubic feet and millions of cubic meters)
(Prepared from volume curve drawn by Harza Engineering Co.)

60.0 ft (20.73 m)	12.37 ft^3 (350.3 m^3)
70.0 ft (21.34 m)	16.47 ft^3 (466.4 m^3)
72.0 ft (21.95 m)	20.91 ft^3 (592.2 m^3)

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.50	73.81	73.09	71.40	71.86	72.87	74.13	74.68	74.72	74.39	73.36	72.83
2	74.27	73.82	73.04	71.35	71.96	72.78	74.14	74.63	74.72	74.41	73.35	72.74
3	74.08	73.81	72.93	71.24	72.04	72.65	74.33	74.60	74.72	74.57	73.44	72.72
4	74.01	73.65	72.96	71.26	72.14	72.70	74.55	74.53	74.80	74.66	73.29	72.81
5	73.89	73.33	72.99	71.32	72.21	72.91	74.58	74.45	74.88	74.78	73.22	72.87
6	73.84	73.33	73.13	71.25	72.30	73.10	74.59	74.47	74.89	74.76	73.23	72.89
7	73.89	73.41	73.08	71.21	72.29	73.30	74.61	74.55	74.85	74.70	73.18	72.96
8	73.90	73.49	73.01	71.19	72.24	73.26	74.68	74.62	74.94	74.61	73.14	72.87
9	73.90	73.62	72.89	71.18	72.26	73.03	74.76	74.65	74.90	74.63	73.25	72.87
10	73.90	73.68	72.76	71.03	72.19	72.77	74.82	74.67	74.76	74.61	73.09	72.94
11	73.88	73.75	72.60	70.94	72.10	72.61	74.81	74.72	74.73	74.62	72.98	72.97
12	73.87	73.65	72.45	70.82	72.01	72.70	74.80	74.61	74.72	74.57	72.95	72.98
13	73.88	73.42	72.36	70.73	71.97	72.86	74.76	74.51	74.74	74.65	72.86	72.93
14	73.89	73.36	72.38	70.59	71.99	72.95	74.92	74.52	74.74	74.62	72.80	72.97
15	73.86	73.31	72.44	70.42	72.04	73.06	74.81	74.38	74.70	74.59	72.74	72.82
16	73.85	73.38	72.41	70.33	72.25	73.24	74.64	74.48	74.59	74.53	72.80	72.75
17	73.85	73.42	72.12	70.23	72.26	73.55	74.42	74.59	74.60	74.41	72.95	72.86
18	73.82	73.52	72.01	70.20	72.27	73.82	74.30	74.68	74.85	74.38	72.82	72.95
19	73.79	73.63	72.00	70.31	72.42	74.04	74.33	74.58	74.87	74.33	72.86	72.93
20	73.77	73.68	71.98	70.31	72.58	74.23	74.44	74.75	74.77	74.35	72.69	72.95
21	73.77	73.68	72.07	70.34	72.85	74.44	74.52	74.71	74.86	74.34	72.75	72.93
22	73.77	73.70	72.08	70.30	72.97	74.44	74.60	74.65	74.97	74.27	72.82	72.90
23	73.78	73.67	72.09	70.52	73.10	74.42	74.65	74.56	74.85	74.19	72.87	72.74
24	73.80	73.65	72.07	70.53	73.19	74.48	74.69	74.58	74.87	74.13	72.87	72.81
25	73.80	73.61	72.12	70.67	73.64	74.53	74.70	74.60	74.81	74.01	72.87	72.97
26	73.80	73.68	71.87	70.91	73.22	74.67	74.69	74.61	74.62	73.90	72.87	72.87
27	73.80	73.54	71.67	71.07	73.07	74.73	74.70	74.65	74.47	73.78	72.79	72.98
28	73.81	73.56	71.49	71.23	73.10	74.82	74.68	74.64	74.36	73.78	72.84	73.05
29	73.81	73.46	71.34	71.41	73.10	74.81	74.66	74.68	74.32	73.54	72.86	73.25
30	73.81	73.20	71.40	71.54	---	74.71	74.66	74.70	74.39	73.54	72.86	73.35
31	73.80	---	71.40	71.76	---	74.36	---	74.71	---	73.43	72.84	---
MAX	74.50	73.82	73.13	71.76	73.64	74.82	74.92	74.75	74.97	74.76	73.44	73.35
MIN	73.77	73.20	71.34	70.20	71.86	72.61	74.13	74.38	74.32	73.43	72.69	72.72
(+)	25.25	23.76	19.55	20.37	23.51	26.67	27.44	27.57	26.75	24.33	22.88	24.13
(*)	-713	-575	-1572	306	1253	1180	297	48	-316	-904	-541	482

CAL YR 1979 * -41 MAX 75.15 MIN 70.92
WTR YR 1980 * -96 MAX 74.97 MIN 70.20

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCKS CORNER, S.C.

LOCATION.--Lat 33°10'14", long 79°58'46", Berkeley County, Hydrologic Unit 03050201, at Lewisfield Plantation on right bank, 1.8 mi (2.9 km) southwest of Moncks Corner, 1.8 mi (2.9 km) downstream from Stony Landing, 4.5 mi (7.2 km) upstream from Molly Branch, and at mile 42.5 (68.4 km).

PERIOD OF RECORD.--Water year 1967 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE (TOP AND BOTTOM): November 1975 to current year.

INSTRUMENTATION.--Servo Programmer since November 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE (TOP): Maximum, >31.0°C Aug. 3-18, 21, 1980; minimum, 3.0°C Jan. 22, 1977.
WATER TEMPERATURE (BOTTOM): Maximum, >31.0°C Aug. 3-18, 21-22, 1980; minimum, 3.0°C Jan. 22, 1977.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE (TOP): Maximum, >31.0°C Aug. 3-18, 21; minimum, 5.0°C Feb. 8, 14.
WATER TEMPERATURE (BOTTOM): Maximum, >31.0°C Aug. 3-18, 21-22; minimum, 5.5°C Feb. 10-12.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	24.0	24.0	19.5	19.0	19.0	15.0	14.5	14.5	10.0	9.5	10.0
2	24.5	24.0	24.0	19.5	19.0	19.0	14.5	13.5	14.0	10.0	9.0	9.5
3	24.0	23.5	24.0	19.5	19.0	19.5	13.5	12.5	13.0	10.0	9.0	9.5
4	24.0	23.5	23.5	19.0	18.5	18.5	12.5	12.0	12.5	9.5	8.5	9.5
5	24.0	23.0	23.5	18.5	18.0	18.0	12.5	12.0	12.0	9.5	8.5	9.0
6	23.0	23.0	23.0	18.0	17.5	18.0	12.0	12.0	12.0	9.0	8.0	8.5
7	23.0	22.5	23.0	18.0	17.5	17.5	12.5	12.0	12.0	8.5	7.0	8.5
8	22.5	22.0	22.0	17.5	17.0	17.5	12.0	11.5	12.0	8.5	8.5	8.5
9	22.0	21.5	22.0	17.5	17.0	17.0	12.0	11.5	11.5	9.0	8.5	8.5
10	21.5	21.0	21.5	17.5	17.0	17.5	12.0	11.5	11.5	9.0	8.5	8.5
11	21.0	20.5	21.0	18.0	17.5	17.5	12.0	11.5	11.5	9.0	8.5	9.0
12	21.0	20.5	21.0	17.5	17.5	17.5	12.0	11.5	11.5	9.0	9.0	9.0
13	21.0	20.5	21.0	17.5	17.0	17.0	12.0	11.5	11.5	9.0	8.5	9.0
14	21.0	19.5	20.0	17.0	16.0	16.5	12.0	11.5	12.0	9.0	8.5	8.5
15	20.0	19.5	19.5	16.0	15.5	16.0	12.0	11.5	12.0	9.0	8.5	8.5
16	19.5	19.0	19.5	16.0	15.5	15.5	11.5	11.0	11.5	9.0	8.5	8.5
17	19.5	19.0	19.0	16.0	15.5	15.5	11.5	11.0	11.0	9.0	8.5	9.0
18	19.5	19.0	19.0	16.0	15.5	15.5	11.0	10.0	10.5	9.0	8.5	9.0
19	19.5	19.0	19.5	15.5	15.0	15.5	11.0	9.5	10.5	9.5	9.0	9.0
20	20.0	19.5	19.5	15.5	15.0	15.5	10.5	10.0	10.5	9.5	9.0	9.5
21	21.0	19.5	20.5	15.5	15.0	15.5	10.5	10.0	10.0	9.5	9.0	9.5
22	20.5	19.5	20.0	15.5	15.0	15.5	10.5	9.5	10.0	9.5	9.5	9.5
23	20.5	19.5	20.0	15.5	15.0	15.5	10.0	10.0	10.0	10.0	9.5	9.5
24	20.5	20.0	20.0	15.5	15.0	15.5	10.5	10.0	10.0	9.5	9.0	9.5
25	20.5	20.0	20.0	16.0	15.5	15.5	10.5	10.0	10.0	9.5	9.0	9.5
26	20.5	19.0	20.0	16.5	16.0	16.0	10.0	9.5	10.0	9.5	9.0	9.5
27	20.0	19.0	19.5	16.5	16.0	16.0	10.0	9.5	10.0	9.5	9.0	9.0
28	20.0	18.5	19.5	16.5	16.0	16.5	10.0	9.5	10.0	9.5	9.0	9.0
29	20.0	19.0	19.5	16.5	15.5	16.0	10.0	9.5	10.0	9.5	8.5	9.0
30	19.5	19.0	19.5	15.5	15.0	15.0	10.0	9.5	10.0	9.5	8.5	9.0
31	19.5	19.0	19.5	---	---	---	10.0	9.5	10.0	9.0	8.5	9.0

02172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCKS CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	7.5	8.0	9.0	8.5	9.0	15.0	14.0	14.5	20.5	19.5	20.0
2	7.0	6.5	7.0	8.5	6.5	8.0	14.5	14.0	14.5	20.5	20.0	20.0
3	7.0	6.5	7.0	6.5	5.5	6.5	14.5	14.0	14.5	20.5	19.5	20.0
4	7.0	6.5	7.0	7.0	5.5	6.5	15.5	14.5	15.0	20.5	20.0	20.0
5	7.0	6.0	6.5	7.5	6.0	7.0	15.5	14.5	15.0	20.5	20.0	20.0
6	6.5	5.5	6.0	8.5	7.0	7.5	16.0	15.0	15.5	21.0	20.0	20.5
7	6.5	6.0	6.0	9.0	7.0	8.0	15.5	15.0	15.5	21.5	20.5	21.0
8	6.0	5.0	6.0	8.5	7.5	8.0	16.0	15.5	15.5	21.0	20.5	21.0
9	6.0	5.5	6.0	8.5	7.5	8.5	16.5	15.5	16.0	21.0	20.5	21.0
10	6.0	5.5	6.0	8.5	8.0	8.5	17.0	16.0	16.5	21.5	20.0	21.0
11	6.5	5.5	6.0	9.5	8.5	9.0	17.5	16.0	17.0	21.0	20.0	20.5
12	6.0	5.5	6.0	9.0	8.5	9.0	17.0	16.0	16.5	21.0	20.5	21.0
13	6.0	5.5	6.0	9.5	9.0	9.0	17.5	16.5	17.0	21.5	21.0	21.0
14	6.5	5.0	6.0	9.5	8.5	9.0	18.0	17.0	17.5	22.0	21.0	21.5
15	7.0	6.0	6.5	10.0	9.0	9.5	18.0	17.0	17.5	22.0	21.5	22.0
16	7.0	6.0	6.5	10.0	9.0	9.5	17.5	17.0	17.5	22.0	21.0	22.0
17	7.0	6.0	6.5	10.5	9.5	10.0	17.5	17.0	17.5	22.0	21.0	21.5
18	7.0	5.5	6.5	11.0	10.5	10.5	17.5	16.5	17.0	23.0	21.5	22.5
19	7.5	6.5	7.0	11.0	10.0	10.5	17.0	17.0	17.0	22.5	22.5	22.5
20	7.5	6.0	7.5	11.5	10.5	11.0	17.5	17.0	17.0	23.0	22.0	22.5
21	10.5	6.0	8.0	12.5	11.5	12.0	18.0	16.0	17.5	23.5	22.0	23.0
22	10.5	8.0	9.0	12.5	12.0	12.0	18.0	17.0	17.5	23.0	22.5	23.0
23	11.0	8.5	9.5	12.5	12.0	12.5	19.0	17.5	18.5	23.5	22.5	23.0
24	12.0	9.0	10.0	12.5	12.0	12.5	19.5	18.5	19.0	23.5	23.0	23.5
25	13.0	9.0	10.5	13.0	12.0	12.5	19.5	19.0	19.0	24.5	23.5	24.0
26	11.5	9.5	10.0	13.0	12.0	12.5	19.5	19.0	19.0	25.0	24.0	24.5
27	10.0	8.5	9.5	13.0	12.5	13.0	20.0	19.0	19.5	25.0	24.0	24.5
28	10.0	9.0	9.5	13.0	12.5	13.0	20.0	19.5	20.0	24.5	24.0	24.0
29	10.0	8.5	9.5	14.0	13.0	13.5	20.0	19.5	20.0	24.5	24.0	24.5
30	---	---	---	14.0	13.5	13.5	20.0	19.5	20.0	24.5	24.0	24.0
31	---	---	---	15.0	14.0	14.5	---	---	---	24.5	24.0	24.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.0	24.5	24.5	28.0	27.0	27.5	30.0	29.0	29.5	30.0	29.0	29.5
2	25.5	24.5	25.0	28.0	27.0	27.5	30.0	29.0	29.5	30.0	28.5	29.0
3	26.0	25.0	25.5	28.0	27.0	27.5	31.0	29.0	---	30.0	28.5	29.0
4	26.0	25.5	26.0	28.0	27.5	27.5	31.0	29.5	---	30.0	28.5	29.5
5	26.0	25.5	25.5	28.5	27.5	28.0	31.0	29.0	---	30.0	29.0	29.5
6	26.0	25.0	25.5	28.5	28.0	28.0	31.0	29.0	---	30.0	29.0	29.5
7	26.0	25.5	25.5	28.5	28.0	28.5	31.0	29.5	---	30.5	29.0	29.5
8	26.5	25.5	26.0	28.5	27.5	28.0	31.0	29.5	---	30.5	29.0	29.5
9	27.0	26.0	26.5	29.0	28.0	28.5	31.0	29.5	---	30.0	28.5	29.5
10	26.5	26.0	26.5	29.5	28.5	29.0	31.0	29.5	---	30.0	28.5	29.5
11	27.0	26.0	26.5	29.5	28.5	29.0	31.0	29.5	---	30.0	28.5	29.5
12	27.0	26.0	26.5	29.5	28.5	29.0	31.0	29.5	---	30.0	28.5	29.5
13	27.0	25.5	26.5	29.5	28.5	29.0	31.0	29.0	---	29.5	28.5	29.0
14	27.5	25.5	26.5	29.0	28.5	29.0	31.0	29.5	---	30.0	28.0	29.0
15	27.0	26.0	26.5	29.5	28.5	29.0	31.0	29.0	---	30.0	28.0	29.0
16	27.0	26.0	26.5	29.5	28.5	29.0	31.0	29.5	---	30.0	28.5	29.0
17	27.5	26.5	27.0	29.5	28.5	29.0	31.0	29.5	---	29.5	28.5	29.0
18	27.5	26.0	26.5	29.5	28.5	29.0	31.0	29.5	---	29.5	28.5	29.0
19	28.0	26.0	27.0	29.5	28.5	29.0	30.5	29.0	29.5	30.0	29.0	29.5
20	27.0	26.0	26.5	30.0	28.5	29.0	30.5	29.5	30.0	29.5	29.0	29.0
21	27.0	26.0	26.5	30.0	29.0	29.5	31.0	29.0	---	29.5	29.0	29.5
22	27.5	26.0	26.5	30.0	29.0	29.5	30.5	30.0	30.0	29.5	29.0	29.0
23	26.5	26.0	26.0	30.0	29.0	29.5	30.0	29.5	30.0	29.5	28.5	29.0
24	26.0	25.5	26.0	30.0	28.5	29.5	30.0	29.0	29.5	29.5	28.5	29.0
25	26.5	26.0	26.0	29.0	29.0	29.0	30.0	28.5	29.5	29.5	28.5	29.0
26	26.5	26.0	26.0	29.5	29.0	29.0	29.5	28.0	29.0	29.5	28.5	29.0
27	26.5	26.0	26.5	29.5	29.0	29.0	29.5	28.0	29.0	29.0	27.5	28.5
28	27.0	26.0	26.5	29.5	29.0	29.0	28.5	28.0	28.0	29.0	26.5	28.0
29	27.5	26.5	27.0	30.0	28.5	29.0	30.0	28.0	29.0	27.5	25.5	26.5
30	27.5	27.0	27.0	30.0	28.5	29.0	30.0	28.0	29.0	27.0	25.5	26.5
31	---	---	---	30.0	28.5	29.0	30.0	28.5	29.0	---	---	---
YEAR	31.0	5.0	18.5									

02172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCKS CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	24.0	24.5	19.5	19.0	19.0	15.0	14.5	14.5	10.0	9.5	10.0
2	24.5	24.0	24.0	19.5	19.0	19.0	14.5	13.5	14.0	10.0	9.0	9.5
3	24.5	23.5	24.0	19.5	19.0	19.0	13.5	12.5	13.0	10.0	9.0	9.5
4	24.0	23.5	24.0	19.0	16.0	16.5	12.5	11.5	12.0	9.5	9.0	9.5
5	24.0	23.5	24.0	18.5	17.0	18.0	12.5	11.0	12.0	9.5	9.0	9.0
6	23.5	23.0	23.0	18.0	17.0	17.5	12.0	11.5	12.0	9.0	8.0	8.5
7	23.0	22.5	23.0	17.5	16.5	17.0	12.0	12.0	12.0	8.5	7.5	8.5
8	22.5	22.0	22.0	17.5	16.5	17.0	12.0	11.5	12.0	8.5	8.5	8.5
9	22.0	21.5	22.0	17.0	16.5	17.0	12.0	11.5	11.5	9.0	8.5	9.0
10	22.0	21.0	21.5	17.5	16.5	17.0	12.0	11.5	11.5	9.0	9.0	9.0
11	21.0	20.5	21.0	17.5	17.0	17.5	12.0	11.5	11.5	9.0	8.5	9.0
12	21.0	20.5	21.0	17.5	17.0	17.5	12.0	11.5	11.5	9.0	9.0	9.0
13	21.0	20.5	21.0	17.0	17.0	17.0	12.0	11.5	11.5	9.0	8.5	9.0
14	20.5	19.5	20.0	16.5	16.0	16.5	12.5	12.0	12.0	8.5	8.5	8.5
15	20.0	19.5	19.5	16.0	15.5	16.0	12.5	11.5	12.0	9.0	8.5	8.5
16	19.5	19.0	19.5	15.5	15.0	15.5	11.5	11.0	11.5	9.0	8.5	8.5
17	19.5	19.0	19.0	15.5	15.0	15.5	11.5	11.0	11.0	9.0	8.5	8.5
18	19.5	19.0	19.0	15.5	15.0	15.5	11.0	10.0	10.5	9.0	8.5	9.0
19	19.5	19.0	19.5	15.5	15.0	15.5	10.5	9.5	10.0	9.5	9.0	9.0
20	20.0	19.5	19.5	15.5	15.0	15.5	10.5	9.5	10.0	9.5	9.0	9.0
21	21.0	19.5	20.5	15.5	15.0	15.5	10.5	9.5	10.0	9.5	9.0	9.5
22	21.0	19.5	20.0	15.5	15.0	15.0	10.5	9.5	10.0	9.5	9.0	9.5
23	20.5	20.0	20.0	15.5	15.0	15.5	10.0	9.5	10.0	9.5	9.5	9.5
24	20.5	20.0	20.0	15.5	15.0	15.5	10.5	10.0	10.0	9.5	9.0	9.5
25	20.0	20.0	20.0	15.5	15.5	15.5	10.5	10.0	10.5	9.5	9.0	9.5
26	20.5	19.0	19.5	16.5	15.5	16.0	10.0	9.5	10.0	9.5	9.0	9.0
27	20.0	18.5	19.5	16.5	16.0	16.0	10.0	10.0	10.0	9.0	9.0	9.0
28	19.5	18.5	19.0	16.5	16.0	16.5	10.5	10.0	10.0	9.5	9.0	9.0
29	19.5	19.0	19.5	17.0	15.5	16.0	10.0	10.0	10.0	9.5	9.0	9.0
30	19.5	19.0	19.0	15.5	15.0	15.0	10.0	9.5	10.0	9.5	9.0	9.0
31	19.5	19.0	19.0	---	---	---	10.0	9.5	10.0	9.0	8.5	9.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	7.5	8.0	9.0	8.5	9.0	15.0	14.5	14.5	20.5	20.0	20.0
2	7.0	6.5	7.0	8.5	6.5	8.0	14.5	14.0	14.5	20.5	20.0	20.0
3	7.0	6.5	7.0	6.5	6.0	6.5	14.5	14.0	14.5	20.5	20.0	20.0
4	7.0	6.5	7.0	7.0	6.0	6.5	15.5	14.5	15.0	20.5	20.0	20.0
5	7.0	6.0	6.5	7.5	6.5	7.0	15.5	15.0	15.0	20.5	20.0	20.0
6	6.5	6.0	6.0	8.5	7.0	8.0	15.5	15.0	15.5	21.5	20.0	20.5
7	6.5	6.0	6.0	9.5	7.0	8.0	15.5	15.0	15.5	21.5	20.5	21.0
8	6.0	5.5	6.0	9.5	7.5	8.0	16.0	15.5	15.5	21.5	20.5	21.0
9	6.0	6.0	6.0	8.5	8.0	8.0	17.0	15.5	16.0	21.0	20.5	21.0
10	6.0	5.5	6.0	8.5	8.0	8.5	17.0	16.0	16.5	21.0	20.0	21.0
11	6.0	5.5	6.0	9.5	8.5	9.0	17.5	16.5	17.0	21.0	20.0	20.5
12	6.0	5.5	6.0	9.0	9.0	9.0	17.0	16.5	16.5	21.0	20.0	21.0
13	6.5	6.0	6.0	9.5	9.0	9.0	17.5	16.5	17.0	21.5	21.0	21.0
14	6.5	6.0	6.5	9.5	8.5	9.0	18.0	17.0	17.5	22.0	21.0	21.5
15	7.0	6.0	6.5	10.0	9.5	9.5	18.0	17.5	17.5	22.0	21.5	22.0
16	7.5	6.5	7.0	10.0	9.5	9.5	17.5	17.5	17.5	22.5	21.0	22.0
17	7.0	6.5	7.0	10.0	9.5	10.0	17.5	17.0	17.5	21.5	21.0	21.5
18	7.0	6.5	7.0	11.0	10.0	10.5	17.5	17.0	17.5	23.0	21.5	22.5
19	8.0	7.0	7.0	11.0	10.5	11.0	17.5	17.0	17.0	22.5	22.5	22.5
20	8.0	7.0	7.5	11.5	11.0	11.0	17.5	17.0	17.0	23.0	22.0	22.5
21	10.5	7.5	8.5	12.5	11.0	12.0	18.0	17.0	17.5	23.5	22.0	23.0
22	10.5	8.0	9.5	12.5	12.0	12.5	18.0	17.5	17.5	23.0	22.5	23.0
23	11.5	8.5	10.0	12.5	12.0	12.5	19.0	18.0	18.5	23.5	22.5	23.0
24	12.0	9.0	10.0	12.5	12.0	12.5	19.5	18.5	19.0	24.0	23.0	23.5
25	13.0	9.0	10.5	13.0	12.0	12.5	19.5	19.0	19.5	24.5	23.5	24.0
26	11.5	9.5	10.0	12.5	12.5	12.5	19.5	19.0	19.0	24.5	24.0	24.5
27	10.0	9.0	9.5	13.0	12.5	13.0	20.0	19.0	19.5	24.5	24.0	24.5
28	10.0	9.0	9.5	13.0	12.5	13.0	20.0	19.5	20.0	24.5	24.0	24.0
29	10.0	9.0	9.5	14.0	13.0	13.5	20.0	19.5	20.0	24.5	23.5	24.0
30	---	---	---	14.0	13.5	13.5	20.5	19.5	20.0	24.5	24.0	24.0
31	---	---	---	15.0	13.5	14.5	---	---	---	24.5	24.0	24.0

02172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCKS CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.5	24.5	25.0	28.0	27.0	27.5	30.5	28.5	29.5	30.0	29.0	29.5
2	25.5	25.0	25.0	28.0	27.5	27.5	30.0	29.0	29.5	30.0	28.5	29.0
3	26.5	25.0	25.5	28.0	27.5	27.5	30.0	29.0	29.5	30.0	28.5	29.0
4	26.5	25.5	26.0	28.0	27.5	28.0	31.0	29.0	---	30.0	28.5	29.5
5	26.5	25.5	26.0	28.5	27.5	28.0	31.0	29.0	---	30.0	29.0	29.5
6	26.0	25.5	26.0	29.0	28.0	28.5	31.0	29.0	---	30.0	29.0	29.5
7	26.5	25.5	26.0	29.0	28.0	28.5	31.0	29.0	---	30.5	29.0	29.5
8	27.0	26.0	26.5	29.0	28.0	28.5	31.0	29.0	---	30.5	29.0	29.5
9	27.5	26.0	26.5	29.0	28.5	28.5	31.0	29.5	---	30.0	28.5	29.5
10	27.0	26.0	26.5	29.5	28.0	29.0	31.0	29.5	---	30.0	28.5	29.5
11	27.5	26.5	27.0	29.5	28.5	29.0	31.0	29.5	---	30.0	28.5	29.5
12	27.5	26.5	27.0	29.5	29.0	29.0	31.0	29.5	---	30.0	28.5	29.5
13	27.5	26.0	26.5	29.5	29.0	29.0	31.0	29.0	---	29.5	28.5	29.0
14	28.0	25.5	26.5	29.5	28.5	29.0	31.0	29.0	---	30.0	28.5	29.0
15	27.5	26.0	27.0	29.5	28.5	29.0	31.0	29.0	---	30.0	28.5	29.0
16	27.5	26.0	27.0	29.5	28.5	29.0	31.0	29.0	---	30.0	28.5	29.0
17	28.0	26.5	27.0	29.5	28.5	29.0	31.0	29.0	---	29.5	29.0	29.0
18	27.5	26.0	27.0	30.0	28.5	29.5	31.0	29.0	---	30.0	28.5	29.5
19	28.0	26.0	27.0	29.5	28.5	29.5	30.5	29.0	29.5	30.0	29.5	29.5
20	27.5	26.5	27.0	30.0	28.5	29.5	30.0	29.0	29.5	29.5	29.5	29.5
21	27.0	26.5	26.5	30.0	29.0	29.5	31.0	29.0	---	30.0	29.0	29.5
22	27.5	26.0	26.5	30.0	29.0	29.5	31.0	29.5	---	30.0	29.0	29.5
23	26.5	26.0	26.5	30.0	29.0	29.5	30.0	29.0	30.0	29.5	28.5	29.0
24	26.5	26.0	26.0	30.0	28.5	29.5	30.0	29.0	29.5	29.5	28.5	29.0
25	26.5	26.0	26.5	29.5	28.5	29.0	30.0	28.0	29.5	29.5	28.5	29.0
26	26.5	26.0	26.5	29.5	28.5	29.0	29.5	28.5	29.0	29.5	28.5	29.0
27	26.5	26.0	26.5	29.5	28.5	29.0	29.5	27.5	28.5	29.0	27.5	28.5
28	27.0	26.0	26.5	29.5	29.0	29.0	28.5	28.0	28.0	29.0	27.0	28.0
29	27.5	26.5	27.0	30.0	28.0	29.0	30.0	28.0	29.0	27.5	25.0	26.5
30	27.5	26.5	27.0	30.0	28.5	29.0	30.0	28.0	29.0	27.5	25.5	26.5
31	---	---	---	31.0	28.5	---	30.0	28.5	29.0	---	---	---
YEAR	31.0	5.5	18.5									

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCKS CORNER, S.C.

LOCATION.--Lat 33°05'54", long 79°57'17", Berkeley County, Hydrologic Unit 03050201, at Pimlico on right bank, 1.1 mi (1.8 km) upstream from Seaboard Coast Line Railroad bridge, 2.1 mi (3.4 km) downstream from Molly Branch, 7.8 mi (12.5 km) southwest of Moncks Corner, and at mile 35.4 (57.0 km).

PERIOD OF RECORD.--Water year 1976 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE (TOP AND BOTTOM): August 1975 to current year.

INSTRUMENTATION.--Servo Programmer since August 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE (TOP): Maximum, >31.0°C July 29-31, 1979, Aug. 1, 2, 3, 7-11, 1979, Sept. 24, 1980; minimum, 3.0°C Jan. 20-23, 26, 30, Feb. 1, 1977.
WATER TEMPERATURE (BOTTOM): Maximum, >31.0°C July 29-31, Aug. 1-3, 7-11, 1979, Sept. 24, 1980; minimum, 3.0°C Jan. 22, 1977.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE (TOP): Maximum, >31.0°C Sept. 24; minimum, 4.0°C Feb. 26.
WATER TEMPERATURE (BOTTOM): Maximum, >31.0°C Sept. 24; minimum, 4.0°C Feb. 26.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.0	24.0	24.5	20.0	19.5	19.5	14.0	12.0	13.0	9.0	7.0	8.0
2	25.0	23.5	24.5	20.0	19.5	20.0	13.5	13.5	13.5	9.0	6.5	7.5
3	25.0	23.5	24.0	20.0	19.0	19.5	12.0	9.5	11.0	9.0	8.5	9.0
4	24.5	23.5	24.0	18.5	17.0	18.0	12.5	10.0	11.0	10.0	9.0	9.5
5	24.0	22.5	23.5	18.0	16.0	17.0	12.0	10.5	11.0	10.5	9.0	10.0
6	23.0	22.0	22.5	17.5	16.0	17.0	12.5	11.5	12.0	11.0	10.5	11.0
7	22.5	22.0	22.5	18.0	16.5	17.0	13.5	12.5	13.0	---	---	---
8	23.0	21.0	22.0	17.5	16.5	17.0	13.0	12.0	12.5	---	---	---
9	23.0	21.5	22.5	18.0	16.5	17.5	12.0	11.5	11.5	---	---	---
10	22.5	20.5	21.5	18.5	17.5	18.0	12.0	11.0	11.5	10.5	10.0	10.0
11	21.0	19.5	20.0	18.5	17.5	18.0	12.5	11.0	12.0	10.5	9.5	10.0
12	22.0	20.0	21.0	18.0	17.0	17.5	13.0	12.0	12.5	11.5	10.5	11.0
13	22.0	20.5	21.5	17.0	15.0	16.0	13.5	12.0	12.5	11.5	9.0	10.0
14	21.0	19.0	20.0	16.0	14.5	15.5	13.5	12.0	12.5	9.0	8.5	9.0
15	20.0	18.0	19.0	15.5	13.5	14.5	12.0	10.5	11.5	9.0	8.5	8.5
16	21.0	19.0	20.0	15.5	14.0	14.5	11.5	10.5	11.0	10.0	8.5	9.0
17	20.5	19.5	20.0	16.0	14.0	15.0	11.0	8.5	10.0	10.0	9.5	9.5
18	21.0	19.5	20.0	16.5	14.5	15.5	10.5	8.5	9.5	10.0	9.5	10.0
19	21.5	19.5	20.5	16.5	15.0	15.5	10.5	8.5	9.5	10.5	10.0	10.0
20	21.5	20.0	20.5	16.5	15.0	15.5	10.0	10.0	10.0	10.5	10.0	10.0
21	21.5	20.0	20.5	16.5	15.0	15.5	12.5	9.5	11.0	11.0	9.5	10.0
22	21.5	20.0	20.5	17.0	15.5	16.0	12.0	9.5	11.0	11.0	10.0	10.5
23	21.0	20.0	20.5	17.0	15.5	16.5	11.0	9.5	10.5	10.5	10.0	10.5
24	21.0	20.0	20.5	17.0	15.5	16.5	10.5	10.0	10.5	10.5	10.0	10.5
25	20.5	19.5	20.0	17.5	16.0	16.5	10.0	9.5	9.5	11.0	10.5	10.5
26	20.0	19.0	19.5	17.5	16.0	17.0	10.0	10.0	10.0	11.0	9.0	10.0
27	20.0	18.0	19.5	17.0	16.0	16.5	10.0	9.0	9.5	10.0	8.5	9.0
28	20.0	18.5	19.5	17.5	16.0	16.5	10.0	8.5	9.5	9.5	9.0	9.5
29	20.5	19.0	20.0	16.5	14.0	15.0	11.0	9.5	10.0	10.0	9.5	10.0
30	20.0	19.5	20.0	14.0	12.5	13.5	10.0	9.0	9.5	10.0	9.5	10.0
31	20.5	19.5	20.0	---	---	---	9.5	8.0	9.0	9.5	9.0	9.5

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCKS CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	9.0	9.5	13.0	9.5	11.5	17.5	16.0	16.5	21.5	20.0	21.0
2	10.5	9.5	10.0	15.0	12.0	13.0	17.0	15.5	16.5	22.5	20.5	21.5
3	10.5	9.5	10.0	14.5	12.5	14.0	16.5	15.5	16.0	22.5	21.0	21.5
4	10.0	9.0	9.5	---	---	---	17.5	15.5	16.5	23.0	20.5	22.0
5	8.5	6.0	7.5	---	---	---	17.0	15.5	16.5	23.5	21.0	22.5
6	7.0	5.5	6.0	---	---	---	18.0	15.0	16.5	24.0	21.0	22.0
7	7.5	5.5	6.5	---	---	---	17.5	16.0	17.0	24.5	21.0	22.5
8	7.0	6.0	6.5	---	---	---	18.0	16.5	17.5	24.0	21.0	22.0
9	7.5	6.0	7.0	---	---	---	19.0	17.0	18.0	22.0	21.0	21.5
10	6.5	5.5	6.0	---	---	---	19.0	17.0	18.5	22.0	20.0	21.5
11	7.5	5.5	6.5	---	---	---	20.0	17.5	19.0	23.0	21.5	22.0
12	7.5	6.5	7.0	---	---	---	19.0	18.0	18.5	24.0	21.5	22.5
13	7.5	6.5	7.0	---	---	---	20.0	18.0	19.0	24.5	21.5	22.5
14	8.5	7.0	8.0	---	---	---	20.0	19.0	19.5	24.5	22.0	23.0
15	9.5	7.0	8.0	---	---	---	19.0	18.0	18.5	24.5	22.0	23.0
16	8.5	7.0	8.0	---	---	---	19.0	17.5	18.0	24.5	22.0	23.0
17	10.0	8.0	9.0	---	---	---	19.0	17.5	18.5	23.0	22.0	22.5
18	12.0	8.0	10.0	---	---	---	19.5	18.0	19.0	24.5	22.0	23.0
19	13.0	9.5	10.5	---	---	---	19.0	18.0	18.0	25.0	23.0	23.5
20	15.0	10.0	12.0	---	---	---	18.5	17.5	18.0	24.5	23.0	23.5
21	15.5	10.5	12.0	---	---	---	20.0	17.5	19.0	26.0	22.5	23.5
22	14.5	8.5	11.0	---	---	---	21.0	18.5	20.0	26.0	23.5	24.0
23	12.0	9.0	10.0	---	---	---	21.5	19.0	20.5	25.5	23.0	24.0
24	11.0	9.0	10.0	---	---	---	22.0	20.5	21.0	26.0	23.5	24.5
25	8.5	5.5	6.5	15.5	13.5	15.0	22.5	21.0	21.5	26.0	24.0	25.0
26	8.0	4.0	6.0	15.5	13.5	14.0	22.0	20.5	21.5	26.0	24.5	25.0
27	9.0	7.0	8.5	15.0	13.0	14.0	22.0	20.5	21.0	27.0	24.5	25.5
28	13.0	8.0	10.5	14.5	13.5	14.0	21.5	20.5	21.0	27.0	25.0	25.5
29	12.0	9.0	10.5	15.0	14.0	14.5	21.0	19.5	20.5	27.5	25.0	26.0
30	---	---	---	16.0	14.5	15.0	21.0	20.0	20.5	27.5	24.5	26.0
31	---	---	---	17.0	15.0	16.0	---	---	---	27.5	24.5	26.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.5	25.0	26.0	29.5	27.5	28.5				---	---	---
2	28.0	25.0	26.5	29.5	27.5	28.5				---	---	---
3	28.5	25.0	26.5	29.5	27.5	28.0				---	---	---
4	28.5	26.0	26.5	29.0	27.5	28.0				---	---	---
5	29.0	26.0	26.5	29.5	27.5	28.0				---	---	---
6	27.5	25.5	26.0	29.5	28.0	28.5				---	---	---
7	27.5	25.5	26.0	29.5	28.5	29.0				---	---	---
8	28.5	26.0	26.5	29.5	28.0	29.0				---	---	---
9	27.5	26.0	27.0	29.5	28.5	29.0				---	---	---
10	28.0	26.0	27.0	30.5	28.5	29.0				---	---	---
11	28.5	26.0	27.0	---	---	---				---	---	---
12	28.5	26.5	27.0	---	---	---				---	---	---
13	27.5	26.0	26.5	---	---	---				---	---	---
14	27.5	25.5	26.5	---	---	---				---	---	---
15	28.0	26.0	27.0	---	---	---				---	---	---
16	28.0	26.5	27.0	---	---	---				---	---	---
17	28.0	27.0	27.0	---	---	---				---	---	---
18	27.5	26.5	27.0	---	---	---				29.5	28.5	29.0
19	27.0	25.5	26.5	---	---	---				29.5	28.5	29.0
20	27.0	26.0	26.5	---	---	---				29.0	28.5	29.0
21	---	---	---	---	---	---				29.5	29.0	29.0
22	---	---	---	---	---	---				30.0	29.0	29.5
23	---	---	---	---	---	---				31.0	28.5	29.5
24	---	---	---	---	---	---				31.0	28.5	---
25	27.5	26.0	27.0	---	---	---				30.5	28.5	29.0
26	27.5	26.0	26.5	---	---	---				29.5	28.5	28.5
27	28.5	26.0	27.0	---	---	---				28.5	27.0	28.0
28	29.0	26.5	27.5	---	---	---				27.5	25.5	27.0
29	29.5	26.5	28.0	---	---	---				27.0	24.0	25.5
30	---	---	---	---	---	---				26.0	23.5	25.0
31	---	---	---	---	---	---				---	---	---
YEAR	31.0	4.0	17.5									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCKS CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	23.5	24.0	20.5	19.5	19.5	14.0	12.0	13.0	9.0	6.5	8.0
2	24.5	23.5	24.0	20.0	19.0	19.5	13.5	13.5	13.5	8.5	6.5	7.5
3	24.5	24.5	24.0	20.0	18.5	19.5	12.0	9.5	10.5	9.0	8.5	8.5
4	24.5	24.5	24.0	18.5	17.0	18.0	12.0	10.0	11.0	9.5	8.5	9.0
5	24.0	24.0	23.0	17.5	16.0	17.0	12.0	10.5	11.0	10.5	9.0	9.5
6	23.0	23.0	22.5	17.5	16.0	16.5	12.5	11.0	12.0	11.0	10.5	10.5
7	22.5	22.5	22.0	17.5	16.5	17.0	13.5	12.0	13.0	---	---	---
8	22.5	22.5	22.0	17.5	16.5	17.0	13.0	12.0	12.5	---	---	---
9	23.0	23.0	22.0	18.5	16.5	17.5	12.0	11.0	11.5	---	---	---
10	22.0	22.0	21.5	18.5	17.5	18.0	12.0	10.5	11.5	10.5	10.0	10.0
11	21.0	19.5	20.0	18.5	17.5	18.0	12.5	11.0	12.0	10.5	9.5	10.0
12	22.0	19.5	21.0	18.0	17.0	17.5	13.0	11.5	12.0	11.5	10.5	11.0
13	22.5	20.5	21.5	17.0	15.5	16.0	13.5	12.0	12.5	11.5	9.0	10.0
14	21.0	19.0	20.0	16.0	14.5	15.0	13.0	12.0	12.5	9.0	8.5	8.5
15	20.0	18.0	19.0	15.0	14.0	14.5	12.0	10.5	11.5	9.0	8.5	8.5
16	21.0	19.0	20.0	15.5	14.0	14.5	11.5	10.5	11.0	10.0	8.5	9.0
17	20.5	19.5	20.0	16.0	14.0	15.0	11.5	8.5	10.0	10.0	9.0	9.5
18	20.5	19.5	20.0	16.5	14.5	15.5	10.5	9.0	10.0	10.0	9.5	10.0
19	21.0	19.5	20.0	16.0	14.5	15.5	10.5	9.0	10.0	10.5	10.0	10.0
20	21.0	19.5	20.5	16.5	14.5	15.5	10.0	9.5	10.0	10.0	9.5	10.0
21	21.5	20.0	20.5	16.0	15.0	15.5	12.5	9.0	11.0	11.0	9.0	10.0
22	22.0	20.0	20.5	16.5	15.5	16.0	12.0	9.5	11.0	10.5	10.0	10.0
23	21.0	20.0	20.5	17.0	15.5	16.0	11.0	10.0	10.5	10.5	10.0	10.5
24	21.0	20.0	20.5	17.0	15.5	16.0	10.5	10.0	10.0	10.5	10.5	10.5
25	20.5	19.5	20.0	17.0	15.5	16.5	10.5	9.0	10.0	11.0	10.5	10.5
26	20.0	19.0	19.5	17.5	16.0	16.5	10.0	9.5	10.0	11.0	9.0	10.0
27	20.0	18.5	19.5	17.0	16.0	16.5	10.0	9.0	9.5	10.0	8.5	9.0
28	20.0	18.5	19.5	17.0	16.0	16.5	10.0	8.5	9.0	9.5	9.0	9.0
29	20.5	19.0	20.0	16.5	14.0	15.0	10.0	9.5	9.5	10.0	9.5	10.0
30	20.5	19.5	20.0	13.5	12.5	13.0	9.5	9.0	9.5	10.0	9.5	9.5
31	20.5	19.5	20.0	---	---	---	9.5	8.0	9.0	9.5	9.0	9.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	9.0	9.5	13.0	9.5	11.5	18.0	16.0	16.5	21.5	20.0	20.5
2	10.5	9.5	10.0	15.0	12.0	13.0	17.0	16.0	16.5	22.0	20.0	21.0
3	10.0	9.0	9.5	15.0	13.5	14.0	16.5	16.0	16.0	22.5	20.5	21.5
4	10.0	8.5	9.0	---	---	---	17.5	16.0	16.5	23.0	20.5	21.5
5	8.5	6.0	7.5	---	---	---	17.0	15.5	16.5	23.5	21.0	22.0
6	7.0	5.5	6.0	---	---	---	18.0	15.5	16.5	24.0	21.0	22.0
7	7.0	5.5	6.5	---	---	---	17.5	16.0	17.0	24.5	20.5	22.0
8	7.5	6.0	6.5	---	---	---	18.0	16.5	17.5	24.0	21.0	22.5
9	7.5	6.0	6.5	---	---	---	19.0	17.0	18.5	22.0	21.0	21.5
10	6.5	5.5	6.0	---	---	---	19.5	17.0	18.5	22.0	20.0	21.5
11	7.5	5.5	6.5	---	---	---	20.0	17.5	19.0	23.0	21.5	22.0
12	7.5	6.0	7.0	---	---	---	19.0	18.5	19.0	24.0	21.0	22.5
13	8.0	6.5	7.0	---	---	---	20.0	18.0	19.0	24.5	21.5	22.5
14	9.0	7.0	8.0	---	---	---	20.5	19.0	20.0	24.5	21.5	23.0
15	9.0	7.0	8.0	---	---	---	19.0	18.0	18.5	24.5	22.0	23.0
16	9.0	7.0	8.0	---	---	---	19.0	17.5	18.5	24.5	21.5	23.0
17	10.0	8.0	9.0	---	---	---	19.0	17.5	18.5	23.0	22.0	22.5
18	12.0	8.5	10.5	---	---	---	19.5	18.0	19.0	24.0	21.5	23.0
19	13.0	9.5	11.0	---	---	---	19.0	18.0	18.0	25.0	23.0	23.5
20	15.0	10.0	12.0	---	---	---	18.5	17.5	18.0	24.0	22.5	23.0
21	15.0	10.5	12.0	---	---	---	20.0	18.0	19.0	26.0	22.5	23.5
22	14.5	9.0	11.5	---	---	---	21.0	18.5	20.0	25.5	23.5	24.0
23	12.0	9.5	10.5	---	---	---	21.5	19.5	20.5	25.5	22.5	24.0
24	12.0	9.0	10.0	---	---	---	22.0	20.0	21.0	26.0	23.0	24.5
25	9.0	5.5	7.0	16.0	13.5	15.0	23.0	21.0	22.0	26.0	23.5	25.0
26	8.0	4.0	6.0	15.5	13.5	14.0	22.0	20.5	21.5	26.0	24.0	25.0
27	9.0	7.5	8.5	15.5	13.5	14.5	22.0	20.5	21.0	26.5	24.5	25.0
28	13.0	8.0	10.5	15.0	13.5	14.0	21.5	20.5	20.5	27.0	25.0	25.5
29	12.5	9.5	10.5	15.5	14.0	14.5	21.0	19.5	20.5	27.0	25.0	26.0
30	---	---	---	16.0	14.5	15.5	21.0	20.0	20.5	27.0	24.5	25.5
31	---	---	---	17.5	15.5	16.0	---	---	---	27.5	24.5	26.0

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCKS CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.5	25.0	26.0	29.0	27.0	28.0				---	---	---
2	27.5	25.0	26.0	29.0	27.5	28.0				---	---	---
3	28.5	25.0	26.5	29.0	27.0	28.0				---	---	---
4	28.0	25.5	26.5	28.5	27.5	28.0				---	---	---
5	27.5	25.5	26.5	29.0	27.5	28.0				---	---	---
6	27.5	25.5	26.0	29.5	28.0	28.5				---	---	---
7	28.0	25.0	26.0	29.5	28.5	29.0				---	---	---
8	28.0	25.5	26.5	30.0	28.0	29.0				---	---	---
9	27.5	26.0	26.5	29.0	28.0	28.5				---	---	---
10	27.5	26.0	27.0	29.5	28.5	29.0				---	---	---
11	28.0	26.0	27.0	---	---	---				---	---	---
12	28.0	26.0	27.0	---	---	---				---	---	---
13	27.5	26.0	26.5	---	---	---				---	---	---
14	27.0	25.5	26.0	---	---	---				---	---	---
15	27.5	26.0	26.5	---	---	---				---	---	---
16	28.0	26.5	27.0	---	---	---				---	---	---
17	27.5	26.5	27.0	---	---	---				---	---	---
18	27.5	26.0	26.5	---	---	---				29.0	28.5	29.0
19	27.0	25.0	26.0	---	---	---				29.5	28.5	29.0
20	26.5	26.0	26.5	---	---	---				29.0	28.5	29.0
21	---	---	---	---	---	---				29.5	29.0	29.0
22	---	---	---	---	---	---				29.5	29.0	29.5
23	---	---	---	---	---	---				31.0	28.5	29.0
24	---	---	---	---	---	---				31.0	28.5	---
25	27.5	26.0	26.5	---	---	---				30.0	28.5	29.0
26	27.5	26.0	26.5	---	---	---				29.5	28.5	28.5
27	28.5	26.0	26.5	---	---	---				28.5	27.0	28.0
28	29.0	26.0	27.5	---	---	---				27.5	25.0	26.5
29	29.5	26.5	28.0	---	---	---				27.0	23.5	25.0
30	---	---	---	---	---	---				26.0	23.0	24.5
31	---	---	---	---	---	---				---	---	---
YEAR	31.0	4.0	17.5									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.

LOCATION.--Lat 33°02'26", long 79°56'14", Berkeley County, Hydrologic Unit 03050201, on right bank 6.2 mi (10.0 km) downstream from Seaboard Coast Line Railroad bridge, 7.4 mi (11.9 km) upstream from Goose Creek, and at mile 28.5 (45.9 km).

PERIOD OF RECORD.--Water years 1971 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1970 to current year.
WATER TEMPERATURE: October 1970 to current year.

INSTRUMENTATION.--Servo Programmer since October 1970.

REMARKS.--Top and bottom temperature measurements started in July 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, >3900 micromhos Dec. 2, 1970; minimum, 43 micromhos Apr. 16, 20, 23-25, May 2, 1975.
WATER TEMPERATURE: Maximum, >31.0°C July 31, Aug. 1-16, 1980; minimum, 4.5°C Feb. 19, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, >1040 micromhos Aug. 27; minimum, 52 micromhos May 10.
WATER TEMPERATURE (Top): Maximum, >31.0°C July 31, Aug. 1-16; minimum, 5.5°C Feb. 7.
WATER TEMPERATURE (Bottom): Maximum, >31.0°C July 31, Aug. 1-16; minimum, 6.0°C Feb. 7-12.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	88	71	80	82	79	80
2	---	---	---	---	---	---	76	71	72	81	76	80
3	---	---	---	---	---	---	87	72	77	80	78	78
4	---	---	---	---	---	---	78	73	74	79	76	78
5	---	---	---	---	---	---	90	73	79	76	75	76
6	---	---	---	---	---	---	81	73	75	76	69	75
7	---	---	---	---	---	---	87	74	76	76	74	75
8	---	---	---	---	---	---	89	75	79	76	76	76
9	---	---	---	---	---	---	78	76	76	77	76	76
10	---	---	---	---	---	---	79	77	77	80	76	77
11	---	---	---	---	---	---	103	69	75	78	77	78
12	---	---	---	---	---	---	72	69	70	78	76	78
13	---	---	---	---	---	---	71	68	69	77	75	76
14	---	---	---	83	78	81	70	68	69	80	75	78
15	---	---	---	79	75	77	70	66	69	80	78	79
16	---	---	---	82	75	79	67	65	66	79	78	79
17	---	---	---	81	71	75	74	67	70	79	79	79
18	81	76	78	84	71	77	73	69	71	80	79	80
19	78	75	76	82	70	76	73	70	72	80	78	79
20	78	76	77	83	64	74	74	70	72	79	78	79
21	79	75	77	79	64	75	74	70	72	79	78	79
22	80	77	78	86	75	79	73	70	72	79	79	79
23	81	78	80	87	75	81	75	72	73	80	79	80
24	80	78	79	88	76	83	74	69	73	80	79	80
25	79	78	78	91	82	88	74	69	73	80	79	80
26	---	---	---	93	84	90	75	70	74	79	79	79
27	---	---	---	91	81	86	77	74	75	80	79	80
28	---	---	---	94	84	89	78	74	77	81	79	80
29	---	---	---	93	80	85	78	76	77	80	80	80
30	---	---	---	86	70	76	83	76	81	82	80	81
31	---	---	---	---	---	---	88	79	83	82	82	82

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	82	81	81	77	76	77	74	71	73	70	65	68
2	82	81	81	77	77	77	75	72	73	70	65	68
3	82	82	82	77	76	77	75	69	73	70	67	68
4	82	81	82	75	75	75	75	72	73	71	67	69
5	82	80	82	75	75	75	74	70	72	70	59	68
6	82	81	82	76	74	75	72	69	71	70	68	69
7	82	82	82	76	74	75	72	69	70	74	65	69
8	82	81	82	76	74	75	73	70	72	65	61	63
9	81	81	81	75	73	74	71	64	68	64	60	62
10	82	81	81	74	72	74	67	64	66	73	52	65
11	81	80	80	73	71	73	67	65	66	73	62	67
12	80	79	79	74	71	72	69	65	67	72	62	67
13	88	77	79	73	71	72	68	66	67	75	64	67
14	79	77	78	71	64	66	70	68	69	72	63	67
15	78	76	77	66	63	65	69	65	66	66	64	65
16	78	78	78	68	64	66	66	63	65	66	64	65
17	78	78	78	68	65	67	67	64	66	69	64	66
18	77	76	77	68	65	68	68	64	66	75	65	69
19	76	76	76	68	66	67	68	65	66	74	64	68
20	76	76	76	69	67	68	69	66	67	70	65	68
21	77	76	76	71	67	69	70	65	68	72	65	68
22	77	77	77	70	66	68	68	65	67	70	64	66
23	79	77	78	69	66	68	69	65	67	69	64	67
24	79	79	79	117	66	81	69	67	68	70	66	68
25	79	79	79	83	69	74	68	66	67	71	61	68
26	78	78	78	78	69	75	69	68	69	70	65	67
27	78	76	78	77	74	76	69	60	69	70	65	67
28	76	75	76	77	74	76	69	66	68	74	65	69
29	76	76	76	78	74	75	70	66	68	79	65	71
30	---	---	---	76	73	74	69	66	68	79	65	72
31	---	---	---	75	72	73	---	---	---	81	66	72

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	85	65	74	87	73	79	94	85	90	348	150	255
2	83	66	73	89	73	80	95	89	92	293	131	219
3	86	66	75	88	74	81	95	89	91	197	123	158
4	86	67	75	90	76	81	105	89	95	181	114	149
5	79	66	71	89	77	82	102	90	96	201	119	157
6	85	68	75	89	77	82	100	92	95	221	120	168
7	85	69	76	89	79	84	103	92	97	232	117	174
8	86	71	79	93	77	85	104	91	97	262	122	188
9	83	69	76	91	80	86	107	92	98	271	127	198
10	87	69	76	93	81	86	107	92	98	270	130	200
11	89	68	77	96	81	87	108	92	99	246	121	181
12	85	67	74	94	80	86	110	93	99	229	127	180
13	85	68	75	93	80	85	110	94	99	234	111	174
14	91	69	78	94	80	85	111	97	102	157	104	127
15	88	71	79	92	78	85	109	97	101	130	102	116
16	89	71	80	95	80	86	111	96	101	112	96	105
17	88	68	77	96	79	86	100	97	98	106	98	101
18	81	68	73	96	84	89	122	98	107	105	97	102
19	91	69	78	97	82	89	112	100	105	127	98	111
20	95	73	82	97	84	91	112	101	106	225	104	146
21	78	74	76	98	84	92	112	99	105	424	115	226
22	87	72	77	98	86	93	173	102	126	459	132	260
23	85	72	78	97	81	90	504	112	231	416	121	234
24	77	70	73	97	83	91	869	151	399	233	99	134
25	85	69	76	94	80	86	1000	180	511	198	92	128
26	81	74	78	97	83	89	988	209	593	238	92	156
27	84	72	77	99	81	87	1040	208	575	178	96	134
28	86	71	77	86	82	84	790	150	375	326	108	189
29	86	68	77	88	81	85	487	159	312	271	112	182
30	86	74	79	89	82	85	434	163	291	280	113	194
31	---	---	---	92	84	88	373	163	272	---	---	---
YEAR	1040	52	94									

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.0	24.0	24.0	19.5	19.5	19.5	14.5	14.0	14.0	10.0	9.5	10.0
2	24.0	23.5	24.0	19.5	19.5	19.5	14.0	13.0	13.5	10.0	9.0	9.5
3	24.0	23.5	23.5	19.5	19.0	19.5	13.0	12.0	12.5	10.0	9.5	9.5
4	24.0	23.5	23.5	19.0	18.0	18.5	12.0	11.5	12.0	10.0	9.5	9.5
5	23.5	23.0	23.5	18.0	17.0	17.5	12.0	11.5	12.0	9.0	9.0	9.0
6	23.0	22.0	22.5	18.0	17.0	17.5	12.0	12.0	12.0	9.0	8.5	8.5
7	22.5	22.0	22.5	18.0	17.0	17.5	12.5	12.0	12.5	9.0	8.0	8.5
8	22.5	20.5	22.0	17.5	17.0	17.5	12.5	11.5	12.0	9.0	9.0	9.0
9	22.0	21.5	22.0	18.0	17.0	17.5	12.0	11.5	11.5	9.5	9.0	9.0
10	22.0	21.0	21.5	18.0	17.5	17.5	12.0	11.0	11.5	9.0	9.0	9.0
11	21.0	19.0	20.5	18.0	17.5	18.0	12.0	11.0	11.5	10.0	9.0	9.0
12	21.0	20.0	20.5	18.0	17.0	17.5	12.0	11.5	11.5	10.0	9.0	9.5
13	21.0	20.5	21.0	17.0	16.5	17.0	12.0	11.5	12.0	9.0	8.5	9.0
14	21.0	19.5	20.0	16.5	16.0	16.0	12.0	12.0	12.0	8.5	8.5	8.5
15	19.5	19.0	19.5	16.0	15.0	15.5	11.5	11.0	11.5	9.0	8.5	9.0
16	20.0	19.5	19.5	15.5	15.0	15.5	11.5	11.0	11.0	9.5	9.0	9.0
17	20.0	19.5	19.5	16.0	15.0	15.5	11.0	10.5	11.0	9.5	9.0	9.5
18	20.0	19.5	19.5	16.0	15.5	15.5	10.5	10.0	10.5	9.5	9.0	9.5
19	20.0	19.5	20.0	16.0	15.0	15.5	10.5	10.0	10.0	10.0	9.0	9.5
20	20.5	20.0	20.0	16.0	15.0	15.5	10.5	10.0	10.0	10.0	9.0	9.5
21	21.0	20.0	20.5	16.0	15.0	15.5	10.5	10.0	10.0	10.0	9.5	9.5
22	21.0	20.5	21.0	16.0	15.5	15.5	10.5	10.0	10.0	10.0	9.5	10.0
23	21.0	20.0	20.5	16.0	15.5	16.0	10.5	10.0	10.0	10.0	9.5	10.0
24	20.5	20.0	20.5	16.0	15.5	16.0	11.0	10.0	10.5	9.5	9.0	9.5
25	20.5	19.5	20.0	16.5	15.5	16.0	11.0	10.0	10.5	9.5	9.0	9.0
26	20.0	19.5	19.5	16.5	16.5	16.5	10.0	10.0	10.0	9.5	9.5	9.5
27	19.5	19.0	19.0	16.5	15.5	16.0	10.0	9.5	10.0	9.5	9.0	9.5
28	19.5	19.0	19.0	16.5	16.0	16.0	10.0	9.5	10.0	9.5	9.0	9.0
29	19.5	19.0	19.5	16.5	15.0	16.0	10.0	9.5	9.5	10.0	9.0	9.5
30	20.0	19.5	19.5	15.0	14.5	14.5	10.0	9.5	10.0	9.5	9.5	9.5
31	20.0	19.5	19.5	---	---	---	10.0	10.0	10.0	9.5	8.5	9.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.0	7.5	8.0	10.5	8.5	9.5	16.0	15.0	15.5	21.0	19.5	20.5
2	7.5	6.5	7.0	8.5	7.0	7.5	16.0	15.0	15.5	21.0	20.0	20.5
3	7.0	6.5	6.5	7.0	6.0	6.5	15.5	15.0	15.0	21.0	20.0	20.5
4	7.0	6.0	6.5	7.5	6.0	6.5	16.0	15.0	15.5	21.5	20.0	20.5
5	7.0	6.0	6.5	7.5	7.0	7.5	16.0	15.0	15.5	21.0	20.5	21.0
6	7.0	6.0	6.5	9.0	7.5	8.0	16.5	15.0	16.0	21.5	20.5	21.0
7	6.5	5.5	6.0	9.5	8.5	9.0	16.5	15.5	16.0	22.0	21.0	21.5
8	6.5	6.0	6.0	10.0	9.5	9.5	16.5	15.5	16.0	22.0	21.5	21.5
9	6.5	6.0	6.0	9.5	9.0	9.0	17.0	16.0	16.5	22.0	21.0	21.5
10	6.0	6.0	6.0	9.5	9.0	9.0	17.5	16.5	17.0	21.0	20.5	21.0
11	6.5	5.5	6.0	10.0	9.0	9.5	18.0	17.0	17.5	22.0	21.0	21.5
12	6.5	6.0	6.0	10.0	9.0	9.5	18.0	17.5	17.5	22.5	21.5	22.0
13	6.5	6.0	6.5	9.5	9.0	9.0	18.5	17.0	18.0	23.0	22.0	22.5
14	7.0	6.5	7.0	10.0	9.0	9.5	18.5	18.0	18.5	23.5	22.5	23.0
15	7.5	6.5	7.0	11.0	9.5	10.0	18.5	17.5	18.0	23.0	22.5	23.0
16	8.0	7.0	7.5	11.5	10.0	10.5	18.5	17.0	18.0	23.0	22.0	22.5
17	7.5	7.5	7.5	11.5	10.5	11.0	18.5	17.0	18.0	22.5	22.0	22.5
18	7.5	6.5	7.0	12.5	11.5	11.5	18.5	17.0	18.0	23.5	22.0	22.5
19	8.0	6.5	7.5	12.5	11.0	11.5	18.5	17.0	17.5	24.0	23.0	23.5
20	8.5	7.5	8.0	12.0	11.5	11.5	18.0	17.0	17.5	23.5	23.0	23.5
21	9.0	8.0	8.5	13.5	12.0	12.5	18.5	17.0	18.0	24.0	23.0	23.5
22	10.0	9.0	9.5	13.0	12.0	12.5	19.0	18.0	18.5	24.0	23.5	24.0
23	11.0	10.0	10.5	13.5	12.5	13.0	19.5	18.0	19.0	23.5	23.0	23.5
24	11.5	10.5	11.0	13.0	12.5	13.0	20.0	19.0	19.5	24.0	23.5	23.5
25	11.5	11.0	11.5	14.0	12.5	13.0	20.5	19.5	20.0	24.5	24.0	24.0
26	11.0	9.5	10.0	13.5	13.0	13.0	20.5	20.0	20.0	25.0	24.0	24.5
27	9.5	9.5	9.5	14.0	13.0	13.5	20.0	19.5	20.0	25.5	24.5	25.0
28	10.0	9.5	10.0	13.5	13.0	13.0	20.5	19.5	20.0	25.5	24.0	25.0
29	10.5	10.0	10.5	14.0	13.5	13.5	20.5	19.5	20.0	25.5	24.5	25.0
30	---	---	---	14.5	14.0	14.0	20.5	19.5	20.0	25.5	24.5	25.0
31	---	---	---	15.5	14.5	15.0	---	---	---	25.5	24.0	25.0

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.5	24.5	25.0	28.0	27.0	27.5	31.0	29.5	---	29.5	28.5	29.5
2	25.5	24.5	25.0	28.5	27.5	28.0	31.0	29.5	---	30.0	29.0	29.5
3	26.5	25.0	25.5	28.0	27.5	28.0	31.0	30.0	---	30.0	29.0	29.5
4	26.5	25.5	26.0	28.0	27.5	28.0	31.0	30.0	---	29.5	29.0	29.5
5	26.5	26.0	26.5	28.5	27.5	27.5	31.0	30.5	---	29.5	29.0	29.0
6	26.0	25.5	26.0	28.5	28.0	28.5	31.0	30.0	---	---	---	---
7	26.0	25.5	26.0	29.0	28.5	28.5	31.0	30.5	---	---	---	---
8	26.5	26.0	26.0	29.0	28.5	28.5	31.0	30.5	---	---	---	---
9	26.5	26.5	26.5	29.0	28.5	28.5	31.0	30.0	---	---	---	---
10	26.5	26.0	26.5	29.5	28.5	29.0	31.0	30.0	---	---	---	---
11	27.5	26.5	26.5	30.0	28.5	29.0	31.0	30.0	---	---	---	---
12	27.0	26.5	27.0	30.5	29.5	30.0	31.0	30.0	---	---	---	---
13	27.0	26.0	26.5	30.5	29.5	30.0	31.0	30.0	---	---	---	---
14	26.5	25.5	26.5	30.0	29.5	29.5	31.0	30.0	---	---	---	---
15	27.5	26.0	26.5	30.0	29.0	29.5	31.0	30.0	---	---	---	---
16	27.5	26.5	27.0	29.5	29.0	29.5	31.0	30.0	---	---	---	---
17	27.5	27.0	27.0	29.5	29.0	29.5	30.5	29.5	30.0	---	---	---
18	27.5	26.5	27.0	29.5	29.0	29.5	30.0	29.0	29.5	---	---	---
19	27.0	26.5	26.5	29.5	29.0	29.5	30.0	29.5	29.5	---	---	---
20	27.0	26.0	26.5	30.0	29.5	29.5	30.0	29.5	29.5	---	---	---
21	27.0	26.5	26.5	30.0	29.5	30.0	30.0	29.5	30.0	---	---	---
22	27.0	26.0	26.5	30.0	29.5	30.0	30.0	29.5	29.5	---	---	---
23	27.0	26.5	26.5	30.0	29.0	29.5	30.0	29.0	29.5	---	---	---
24	26.5	26.0	26.5	29.5	29.0	29.0	29.5	29.0	29.0	29.5	28.5	29.0
25	26.0	26.0	26.0	29.5	29.0	29.0	29.0	28.5	28.5	29.5	28.5	29.0
26	26.0	25.5	26.0	29.0	28.5	29.0	28.5	28.0	28.5	29.5	28.5	29.0
27	27.0	25.5	26.0	29.5	28.5	29.0	28.5	28.0	28.5	29.0	27.5	28.5
28	27.5	26.5	27.0	30.0	29.0	29.5	28.5	28.0	28.5	28.5	26.5	27.5
29	27.5	26.5	27.0	30.0	29.5	29.5	29.0	28.0	28.5	27.0	25.0	26.0
30	28.0	27.0	27.5	30.0	29.5	30.0	29.0	28.5	28.5	25.5	24.5	25.0
31	---	---	---	31.0	29.5	15.0	29.5	28.5	29.0	---	---	---
YEAR	31.0	5.5	18.0									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.0	24.0	24.0	19.5	19.5	19.5	14.5	13.5	14.0	10.0	9.5	10.0
2	24.0	23.5	24.0	19.5	19.5	19.5	14.0	13.0	13.5	9.5	9.0	9.5
3	24.0	23.5	23.5	19.5	19.0	19.5	13.0	12.0	12.5	10.0	9.5	9.5
4	24.0	23.5	23.5	19.0	18.0	18.5	12.0	11.5	12.0	9.5	9.0	9.5
5	23.5	23.0	23.5	18.0	17.0	17.5	12.0	11.5	12.0	9.0	8.5	9.0
6	23.0	22.0	22.5	17.5	17.0	17.5	12.0	12.0	12.0	9.0	8.0	8.5
7	22.5	22.0	22.0	18.0	17.0	17.5	12.5	12.0	12.0	9.0	8.0	8.5
8	22.5	20.5	22.0	17.5	16.5	17.0	12.0	11.5	12.0	9.0	8.5	9.0
9	22.0	21.5	22.0	17.5	17.0	17.5	12.0	11.5	11.5	9.5	8.5	9.0
10	22.0	21.0	21.5	18.0	17.5	17.5	11.5	11.0	11.5	9.0	9.0	9.0
11	21.0	20.0	20.5	18.0	17.5	18.0	12.0	11.0	11.5	10.0	9.0	9.5
12	21.0	20.0	20.5	18.0	17.0	17.5	12.0	11.5	11.5	10.0	9.5	10.0
13	21.0	20.5	20.5	17.0	16.5	17.0	12.0	11.5	12.0	9.5	9.0	9.0
14	21.0	19.5	20.0	16.5	16.0	16.0	12.0	12.0	12.0	9.0	9.0	9.0
15	19.5	19.0	19.5	16.0	15.0	15.5	12.0	11.5	11.5	9.5	9.0	9.0
16	19.5	19.0	19.5	15.5	15.0	15.5	11.5	11.5	11.5	9.5	9.0	9.0
17	19.5	19.5	19.5	15.5	15.0	15.5	11.5	11.0	11.0	9.5	9.0	9.5
18	20.0	19.0	19.5	16.0	15.5	15.5	10.5	10.0	10.5	9.5	9.5	9.5
19	20.0	19.5	20.0	16.0	15.0	15.5	10.5	10.0	10.0	10.0	9.5	9.5
20	20.5	19.5	20.0	16.0	15.0	15.5	10.5	10.0	10.0	10.0	9.5	10.0
21	21.0	20.0	20.5	16.0	15.0	15.5	10.5	9.5	10.0	10.0	9.5	10.0
22	21.0	20.5	21.0	16.0	15.5	15.5	10.0	10.0	10.0	10.0	10.0	10.0
23	21.0	20.0	20.5	16.0	15.5	15.5	10.5	10.0	10.0	10.5	10.0	10.5
24	20.5	20.0	20.0	16.0	15.5	15.5	11.0	10.0	10.5	10.0	9.0	9.5
25	20.5	19.5	20.0	16.5	15.5	16.0	11.0	10.0	10.5	9.5	9.5	9.5
26	20.0	19.0	19.5	16.5	16.5	16.5	10.0	9.5	10.0	9.5	9.5	9.5
27	19.5	19.0	19.0	16.5	15.5	16.0	10.0	9.5	10.0	9.5	9.5	9.5
28	19.5	19.0	19.0	16.5	16.0	16.0	10.0	9.5	10.0	9.5	9.5	9.5
29	19.5	19.0	19.5	16.5	15.0	16.0	10.0	9.5	9.5	10.0	9.5	9.5
30	19.5	19.5	19.5	15.0	14.0	14.5	10.0	9.5	9.5	10.0	9.5	9.5
31	19.5	19.5	19.5	---	---	---	10.0	10.0	10.0	9.5	9.0	9.0

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	7.5	8.0	10.5	8.5	9.5	16.0	15.0	15.5	21.0	20.0	20.5
2	7.5	7.0	7.0	9.0	7.0	7.5	16.0	15.0	15.5	21.5	20.0	21.0
3	7.0	6.5	7.0	7.0	6.5	6.5	15.5	15.0	15.0	21.0	20.5	21.0
4	7.0	6.5	7.0	7.5	6.5	7.0	16.0	15.0	15.5	21.5	20.0	21.0
5	7.0	6.5	6.5	8.0	7.0	7.5	16.0	15.0	15.5	21.5	20.5	21.0
6	7.0	6.5	6.5	9.0	8.0	8.5	16.5	15.5	16.0	22.0	20.5	21.0
7	7.0	6.0	6.5	9.5	8.5	9.0	16.5	15.5	16.0	22.0	21.0	21.5
8	7.0	6.0	6.5	10.0	9.5	10.0	16.5	16.0	16.5	22.0	21.5	22.0
9	6.5	6.0	6.5	10.0	9.0	9.5	17.0	16.5	16.5	22.0	21.0	21.5
10	6.5	6.0	6.0	9.5	9.0	9.0	17.0	16.5	17.0	21.5	21.0	21.0
11	6.5	6.0	6.0	10.5	9.5	10.0	18.5	17.0	17.5	22.0	21.0	21.5
12	6.5	6.0	6.5	10.5	9.0	9.5	18.0	17.5	18.0	22.5	22.0	22.0
13	7.0	6.5	6.5	9.5	9.0	9.5	18.5	17.5	18.0	23.0	22.0	22.5
14	7.5	6.5	7.0	10.5	9.5	10.0	19.0	18.0	18.5	23.5	22.5	23.0
15	7.5	7.0	7.5	11.0	10.0	10.5	18.5	17.5	18.0	23.0	22.5	23.0
16	8.0	7.5	7.5	11.5	10.0	11.0	18.5	17.5	18.0	23.0	22.0	22.5
17	8.0	7.5	7.5	11.5	10.5	11.0	18.5	17.5	18.0	22.5	22.0	22.5
18	7.5	6.5	7.0	12.5	11.5	12.0	18.5	17.5	18.0	23.5	22.0	23.0
19	8.0	7.0	7.5	12.5	11.5	12.0	18.5	17.5	17.5	24.0	23.0	23.5
20	8.5	7.5	8.0	12.5	11.5	12.0	18.0	17.0	17.5	23.5	23.0	23.5
21	9.5	8.0	8.5	13.5	12.0	12.5	18.5	17.0	18.0	24.5	23.5	23.5
22	10.5	9.0	9.5	13.5	12.0	13.0	19.0	18.0	18.5	24.0	23.5	24.0
23	11.0	10.0	10.5	13.5	12.5	13.0	19.5	18.5	19.0	23.5	23.0	23.5
24	11.5	11.0	11.0	13.0	12.5	13.0	20.5	19.0	19.5	24.0	23.5	23.5
25	12.0	11.5	11.5	14.0	13.0	13.5	20.5	19.5	20.0	24.5	24.0	24.0
26	11.0	10.0	10.5	13.5	13.0	13.5	20.5	20.0	20.0	25.0	24.0	24.5
27	10.0	9.5	10.0	14.0	13.0	13.5	20.5	19.5	20.0	25.5	24.5	25.0
28	10.5	9.5	10.0	13.5	13.0	13.5	20.5	20.0	20.0	25.5	24.5	25.0
29	10.5	10.5	10.5	14.5	13.5	14.0	20.5	19.5	20.0	25.5	24.5	25.0
30	---	---	---	15.0	14.0	14.5	20.5	19.5	20.0	25.5	24.5	25.0
31	---	---	---	16.0	14.5	15.0	---	---	---	25.5	24.5	25.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.5	24.5	25.0	28.0	27.0	27.5	31.0	29.5	---	29.5	28.5	29.5
2	26.0	24.5	25.0	28.5	27.5	28.0	31.0	29.5	---	30.0	29.0	29.5
3	26.5	25.0	25.5	28.5	27.5	28.0	31.0	29.5	---	30.0	29.0	29.5
4	27.0	25.5	26.0	28.0	27.5	28.0	31.0	30.0	---	29.5	29.0	29.5
5	27.0	26.0	26.5	28.5	27.5	27.5	31.0	30.5	---	29.5	29.0	29.0
6	26.5	25.5	26.0	28.5	28.0	28.5	31.0	30.0	---	---	---	---
7	26.0	25.5	26.0	29.0	28.5	28.5	31.0	30.0	---	---	---	---
8	27.0	26.0	26.5	29.0	28.5	28.5	31.0	30.5	---	---	---	---
9	27.0	26.5	26.5	29.0	28.5	28.5	31.0	30.0	---	---	---	---
10	27.0	26.5	26.5	29.5	28.5	29.0	31.0	30.0	---	---	---	---
11	27.5	26.5	27.0	30.0	28.5	29.0	31.0	30.0	---	---	---	---
12	27.0	26.5	27.0	30.5	29.5	30.0	31.0	29.5	---	---	---	---
13	27.0	26.0	26.5	30.5	29.5	30.0	31.0	30.0	---	---	---	---
14	27.0	25.5	26.5	30.0	29.5	29.5	31.0	30.0	---	---	---	---
15	27.5	26.0	27.0	29.5	29.0	29.5	31.0	30.0	---	---	---	---
16	27.5	26.5	27.0	29.5	29.0	29.5	31.0	30.0	---	---	---	---
17	27.5	27.0	27.5	29.5	29.0	29.5	30.5	29.5	30.0	---	---	---
18	27.5	27.0	27.0	29.5	29.0	29.5	30.0	29.0	29.5	---	---	---
19	27.5	26.5	27.0	29.5	29.0	29.5	30.0	29.0	29.5	---	---	---
20	27.0	26.5	27.0	29.5	29.5	29.5	30.0	29.5	29.5	---	---	---
21	27.0	26.5	27.0	30.0	29.5	29.5	30.5	29.0	30.0	---	---	---
22	27.0	26.0	26.5	30.0	29.5	29.5	30.0	29.5	29.5	---	---	---
23	27.0	26.5	26.5	29.5	29.0	29.5	30.0	29.0	29.5	---	---	---
24	26.5	26.0	26.5	29.5	29.0	29.0	29.5	28.5	29.0	29.5	29.0	29.0
25	26.5	26.0	26.0	29.5	29.0	29.0	29.0	28.0	28.5	29.5	28.5	29.0
26	26.0	25.5	26.0	29.0	28.5	28.5	28.5	28.0	28.5	29.5	28.5	29.0
27	27.0	25.5	26.0	29.5	28.5	29.0	28.5	28.0	28.5	29.0	27.0	28.5
28	27.5	26.5	27.0	29.5	29.0	29.5	28.5	28.0	28.5	28.5	26.5	27.5
29	27.5	27.0	27.0	30.0	29.0	29.5	29.0	28.0	28.5	27.0	25.0	26.0
30	28.0	27.0	27.5	30.0	29.0	29.5	29.0	28.0	28.5	25.5	24.5	25.0
31	---	---	---	31.0	29.5	---	29.5	28.5	29.0	---	---	---
YEAR	31.0	6.0	18.0									

02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, S.C.

LOCATION.--Lat 33°29'00", long 80°52'25", Orangeburg County, Hydrologic Unit 03050203, on left bank under bridge on U.S. Highway 301 at Orangeburg, 0.5 mi (0.8 km) upstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Caw Caw Swamp and at mile 22.1 (35.6 km).

DRAINAGE AREA.--683 mi^2 (1,770 km^2).

REVISED RECORDS.--WSP 1032: Drainage area.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 149.02 ft (45.421 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Feb. 23, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good. About 7.4 ft^3/s (0.21 m^3/s) diverted by City of Orangeburg for municipal supply.

AVERAGE DISCHARGE.--42 years, 803 ft^3/s (22.74 m^3/s), 15.97 in/yr (406 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,500 ft^3/s (269 m^3/s) Sept. 18, 1945, gage height, 14.28 ft (4.353 m), from rating curve extended above 5,300 ft^3/s (150 m^3/s) by velocity-area studies; minimum, 190 ft^3/s (5.38 m^3/s) Sept. 13, 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 14.7 ft (4.48 m) in September 1928, discharge, 10,000 ft^3/s (283 m^3/s), from rating curve extended as described above, on basis of information from Department of Public Utilities, City of Orangeburg.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,800 ft^3/s (79.3 m^3/s), Mar. 31, gage height 9.23 ft (2.813 m); minimum, 334 ft^3/s (9.46 m^3/s) Sept. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1480	585	757	849	1190	799	2510	769	643	1120	447	404
2	1180	587	735	843	1200	787	2490	746	598	898	424	396
3	1110	648	719	828	1140	796	2430	734	572	728	408	393
4	1080	717	705	796	1060	812	2220	725	550	711	391	392
5	1030	775	693	772	978	849	2040	721	529	1110	379	394
6	955	802	699	758	957	890	1820	717	514	1130	375	400
7	917	811	724	742	982	929	1600	707	509	894	377	409
8	849	788	747	728	1010	994	1480	697	505	655	367	397
9	791	753	754	723	1040	1120	1590	705	490	568	374	390
10	756	721	744	731	1220	1230	1730	711	477	526	407	388
11	737	848	728	763	1360	1250	1690	709	469	508	421	388
12	705	1170	715	805	1380	1310	1540	691	463	499	420	387
13	687	1380	707	867	1270	2190	1430	667	460	473	478	387
14	658	1380	700	1000	1160	2570	1510	645	454	455	588	387
15	636	1250	698	1110	1080	2470	1600	629	450	440	579	385
16	613	1090	731	1140	1110	2120	1580	610	445	430	551	381
17	598	969	745	1060	1160	1890	1490	602	444	420	493	379
18	602	906	742	1010	1120	2190	1350	613	535	447	450	382
19	599	873	726	996	1030	2270	1270	679	577	471	441	381
20	597	827	716	998	965	2130	1250	965	597	443	438	387
21	596	777	704	993	925	1990	1200	1180	633	428	442	421
22	593	740	695	952	910	1900	1110	1160	633	416	509	449
23	592	722	689	969	921	1930	1040	1070	597	439	608	460
24	601	713	688	1060	937	1850	986	1160	588	439	627	480
25	612	713	708	1120	953	1700	929	1180	667	427	568	530
26	606	766	720	1110	941	1650	886	1050	815	430	512	572
27	594	786	720	1190	894	1670	856	969	1050	436	465	583
28	585	806	716	1300	856	1720	830	860	1110	429	437	602
29	587	798	708	1340	830	2070	812	772	994	455	424	763
30	591	783	727	1260	---	2510	790	728	1200	498	416	994
31	587	---	793	1200	---	2750	---	691	---	470	410	---
TOTAL	23124	25484	22353	30013	30579	51336	44059	24862	18568	17793	14226	13361
MEAN	746	849	721	968	1054	1656	1469	802	619	574	459	455
MAX	1480	1380	793	1340	1380	2750	2510	1180	1200	1130	627	994
MIN	585	585	688	723	830	787	790	602	444	416	367	379
CFSM	1.09	1.24	1.06	1.42	1.54	2.43	2.15	1.17	.91	.84	.67	.67
IN.	1.26	1.39	1.22	1.63	1.67	2.80	2.40	1.35	1.01	.97	.77	.74

CAL YR 1979 TOTAL 348931 MEAN 956 MAX 5320 MIN 464 CFSM 1.40 IN 19.00
WTR YR 1980 TOTAL 316058 MEAN 864 MAX 2750 MIN 367 CFSM 1.27 IN 17.21

02174000 EDISTO RIVER NEAR BRANCHVILLE, S.C.

LOCATION.--Lat 33°10'35", long 80°45'05", Bamberg County, Hydrologic Unit 03050205, on right bank 400 ft (120 m) downstream from bridge on U.S. Highway 21, 4.7 mi (7.6 km) downstream from Brier Branch, 5.2 mi (8.4 km) south of Branchville, and at mile 100.0 (160.9 km).

DRAINAGE AREA.--1,720 mi^2 (4,450 km^2), approximately.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 80.02 ft (24.390 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 19, 1949, at datum 1.00 ft (0.305 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--35 years, 2,054 ft^3/s (58.17 m^3/s), 16.22 in/yr (412 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft^3/s (413 m^3/s) Sept. 3, 1964, gage height, 11.44 ft (3.487 m); minimum, 323 ft^3/s (9.15 m^3/s) Aug. 14, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 13.5 ft (4.11 m), present datum, in September 1928, on basis of information from State Highway Department, discharge, 25,700 ft^3/s (728 m^3/s), by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,730 ft^3/s (219 m^3/s), Mar. 16, gage height, 9.62 ft (2.932 m); minimum daily, 737 ft^3/s (20.9 m^3/s) Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2440	1310	2100	1980	3490	2510	7150	2030	2080	2260	983	833
2	2780	1310	2070	2090	3470	2440	7360	1960	1860	2260	950	818
3	3150	1360	2030	2200	3370	2390	7250	1890	1660	2340	902	806
4	3170	1420	1970	2270	3270	2340	7170	1830	1470	2320	857	797
5	3050	1460	1910	2290	3150	2310	7150	1780	1350	2290	827	803
6	2910	1530	1870	2260	3080	2320	6720	1760	1260	2090	809	800
7	2840	1700	1900	2170	3000	2380	6180	1690	1200	2000	794	794
8	2720	1940	1930	2070	2920	2520	5580	1650	1160	2030	785	797
9	2540	2150	1950	2030	2900	2810	5130	1620	1120	1860	779	794
10	2400	2210	1970	2010	3110	3090	4750	1590	1090	1530	803	791
11	2290	2230	1980	2010	3390	3290	4540	1580	1060	1260	866	791
12	2180	2360	1970	2030	3670	3480	4500	1570	1030	1150	890	785
13	2030	2610	1950	2070	3830	4700	4340	1560	1010	1090	908	776
14	1900	2950	1920	2220	3810	5990	4220	1530	989	1040	968	776
15	1790	3240	1880	2500	3680	7200	4080	1490	971	1000	1070	770
16	1700	3420	1990	2860	3550	7680	3980	1460	953	968	1160	773
17	1600	3480	2190	3060	3430	7460	4080	1420	938	935	1280	785
18	1500	3350	2280	3100	3360	6990	4030	1410	977	911	1180	764
19	1440	3130	2290	3040	3350	6430	3790	1430	1040	917	1050	743
20	1400	2880	2230	2960	3300	6320	3550	1720	1140	953	974	737
21	1380	2710	2140	2880	3200	6600	3340	2110	1180	944	962	743
22	1360	2580	2030	2790	3080	6540	3190	2650	1210	905	1010	767
23	1340	2460	1950	2780	2980	6180	3100	3200	1230	881	1070	821
24	1350	2330	1880	2810	2860	5770	2960	3330	1420	914	1100	857
25	1330	2190	1860	2800	2800	5460	2810	3300	1840	986	1120	902
26	1320	2140	1850	2810	2760	5350	2650	3080	1750	992	1130	953
27	1330	2100	1860	3000	2710	5160	2500	3000	1720	965	1080	998
28	1330	2090	1870	3190	2640	5060	2370	2900	1750	968	1000	1070
29	1330	2090	1870	3310	2580	5480	2240	2740	1890	974	932	1200
30	1320	2100	1870	3360	---	6030	2120	2560	2110	965	884	1330
31	1310	---	1900	3430	---	6740	---	2330	---	977	854	---
TOTAL	60530	68830	61460	80380	92740	149020	132830	64170	40458	41675	29977	25374
MEAN	1953	2294	1983	2593	3198	4807	4428	2070	1349	1344	967	846
MAX	3170	3480	2290	3430	3830	7680	7360	3330	2110	2340	1280	1330
MIN	1310	1310	1850	1980	2580	2310	2120	1410	938	881	779	737
CFSM	1.14	1.33	1.15	1.51	1.86	2.80	2.57	1.20	.78	.78	.56	.49
IN.	1.31	1.49	1.33	1.74	2.01	3.22	2.87	1.39	.88	.90	.65	.55

CAL YR 1979 TOTAL 877023 MEAN 2403 MAX 8060 MIN 968 CFSM 1.40 IN 18.97
WTR YR 1980 TOTAL 847444 MEAN 2315 MAX 7680 MIN 737 CFSM 1.35 IN 18.33

02174250 COW CASTLE CREEK NEAR BOWMAN, S.C.

LOCATION.--Lat 33°22'43", long 80°42'00", Orangeburg County, Hydrologic Unit 03050206, at bridge on county road, 1.1 mi (1.8 km) above Buck Branch and 3.2 mi (5.1 km) northwest of Bowman.

DRAINAGE AREA.--23.4 mi^2 (60.6 km^2).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 125 ft (38 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 23.4 ft^3/s (0.663 m^3/s), 13.58 in/yr (345 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,340 ft^3/s (66.3 m^3/s) probably occurred Sept. 4 or 5, 1979, gage height, 7.37 ft (2.246 m) from recorded range in stage; minimum daily, 0.64 ft^3/s (0.018 m^3/s) Oct. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 150 ft^3/s (4.25 m^3/s) and maximumn (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 11	2300	208	5.89	5.33	1.625	Mar. 21	1400	207	5.86	5.32	1.622
Feb. 10	1700	208	5.89	5.33	1.625	Mar. 29	1200	247	7.00	5.65	1.722
Mar. 13	2400	*493	14.0	*6.34	1.932						

Minimum daily, 1.20 ft^3/s (0.034 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	5.5	20	35	76	21	114	8.2	7.8	2.8	2.0	1.8
2	38	6.0	18	32	56	21	81	7.8	7.1	2.5	2.0	1.7
3	40	24	16	28	46	21	81	7.4	6.5	2.8	1.9	1.6
4	34	13	16	26	39	21	102	7.3	5.7	12	1.8	1.6
5	33	10	16	24	34	23	78	6.9	5.2	51	1.7	1.7
6	28	9.3	22	21	39	28	58	6.5	4.7	18	1.7	1.5
7	21	8.7	34	20	45	25	48	6.0	4.6	10	2.3	1.5
8	16	8.2	28	19	44	43	50	6.2	4.3	8.0	3.7	1.5
9	14	7.8	23	20	62	83	74	6.3	3.9	6.3	2.3	1.4
10	13	7.6	21	19	183	62	53	5.8	3.9	5.8	4.0	1.4
11	12	92	19	28	144	49	40	5.5	3.5	5.2	3.5	1.4
12	10	155	18	31	94	79	35	5.3	3.4	4.6	5.0	1.5
13	9.5	84	17	31	70	413	32	5.2	3.3	4.0	6.2	1.4
14	8.5	59	17	94	58	399	35	4.7	3.2	3.7	3.1	1.4
15	8.2	44	20	94	50	191	33	4.6	3.1	3.4	2.6	1.3
16	7.8	36	68	66	59	112	28	4.4	2.8	3.2	2.4	1.2
17	7.4	31	54	52	58	86	25	4.9	2.8	3.0	6.8	1.4
18	7.3	28	40	51	46	137	22	5.3	4.7	3.0	3.4	1.5
19	6.9	25	34	50	40	106	21	25	4.0	3.0	2.9	1.5
20	6.6	22	30	41	37	115	19	38	3.7	3.0	2.6	1.5
21	6.3	20	26	36	34	199	18	29	3.4	2.5	2.4	1.8
22	6.0	19	24	33	33	135	16	23	3.3	2.5	3.9	2.3
23	6.5	18	23	53	33	87	14	31	3.2	2.5	3.5	1.7
24	6.8	17	22	46	31	74	13	39	3.7	2.5	3.0	1.8
25	6.0	17	30	37	29	85	11	28	4.4	2.5	2.5	2.3
26	5.7	44	26	38	26	66	11	20	5.2	2.5	2.3	1.9
27	5.3	36	22	89	25	57	9.9	15	4.2	2.5	2.3	1.8
28	5.2	30	20	80	23	102	9.3	13	3.7	2.0	2.3	2.3
29	5.2	26	18	63	22	232	9.1	11	3.3	2.0	2.3	2.3
30	4.9	22	26	56	---	220	8.7	9.9	3.0	2.0	2.0	8.2
31	5.2	---	42	72	---	203	---	8.7	---	2.2	1.8	15
TOTAL	420.3	925.1	810	1385	1536	3495	1149.0	398.9	125.6	181.0	90.1	68.9
MEAN	13.6	30.8	26.1	44.7	53.0	113	38.3	12.9	4.19	5.84	2.91	2.30
MAX	40	155	68	94	183	413	114	39	7.8	51	6.8	15
MIN	4.9	5.5	16	19	22	21	8.7	4.4	2.8	2.0	1.7	1.2
CFSM	.58	1.32	1.12	1.91	2.27	4.83	1.64	.55	.18	.25	.12	.10
IN.	.67	1.47	1.29	2.20	2.44	5.56	1.83	.63	.20	.29	.14	.11

CAL YR 1979 TOTAL 11998.7 MEAN 32.9 MAX 500 MIN 3.4 CFSM 1.41 IN 19.07
WTR YR 1980 TOTAL 10584.9 MEAN 28.9 MAX 413 MIN 1.2 CFSM 1.24 IN 16.83

02175000 EDISTO RIVER NEAR GIVHANS, S.C.
(National stream-quality accounting network station)
(Pesticide program station)

LOCATION.--Lat 33°01'40", long 80°23'30", Dorchester County, Hydrologic Unit 03050205, on left bank at downstream side of bridge on State Highway 61, 2.3 mi (3.7 km) downstream from Four Hole Swamp, 2.8 mi (4.5 km) west of Givhans, and at mile 59.9 (96.4 km).

DRAINAGE AREA.--2,730 mi^2 (7,070 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1939 to current year.

REVISED RECORDS.--WSP 1032: Drainage area. WSP 1303: 1939 (monthly and yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 20.46 ft (6.236 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. About 112 ft^3/s (3.2 m^3/s) a day diverted above station for Charleston water supply during year.

AVERAGE DISCHARGE.--41 years, 2,711 ft^3/s (76.78 m^3/s), 13.48 in/yr (342 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft^3/s (694 m^3/s) June 14, 1973, gage height, 15.84 ft (4.828 m); minimum, 290 ft^3/s (8.21 m^3/s) Aug. 16, 1956, gage height, 0.51 ft (0.155 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1904, 17.5 ft (5.33 m) in February 1925, from investigation by Charleston Commissioners of Public Works, discharge, 24,900 ft^3/s (705 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,700 ft^3/s (416 m^3/s), Mar. 19, gage height, 13.99 ft (4.264 m); minimum daily, 577 ft^3/s (16.3 m^3/s), Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2790	1340	2980	2910	5340	3510	10900	2480	3490	1880	827	686
2	3790	1350	2940	2800	5360	3400	11100	2330	3130	1940	833	664
3	4300	1380	2930	2800	5360	3300	11500	2200	2740	2040	817	642
4	4130	1410	2930	2810	5340	3190	12100	2100	2390	2140	783	635
5	4210	1460	2910	2850	5290	3090	12600	2000	2050	2230	734	629
6	4550	1510	2920	2890	5220	3040	12700	1910	1720	2290	708	620
7	4800	1560	3200	2930	5140	3030	12200	1840	1450	2330	683	610
8	4830	1620	3500	2930	5010	3070	11400	1790	1250	2300	657	604
9	4660	1740	3550	2930	4910	3520	10700	1740	1130	2190	645	595
10	4360	1910	3450	2890	4870	4190	9820	1670	1060	2080	651	595
11	4010	2100	3310	2870	4910	4770	8890	1620	990	2000	654	598
12	3630	2270	3200	2910	5080	5090	7930	1580	946	1750	683	614
13	3270	2420	3110	2970	5200	6880	7150	1550	902	1350	724	610
14	2950	2550	3040	3030	5360	11400	6660	1520	875	1180	747	607
15	2710	2700	2960	3150	5540	13500	6390	1500	852	1120	776	601
16	2500	2940	3030	3380	5710	13300	6120	1460	837	1050	837	592
17	2320	3210	3160	3650	5830	13400	5810	1430	811	971	915	590
18	2150	3520	3290	3930	5850	14200	5470	1780	827	912	1000	595
19	2010	3800	3410	4180	5720	14600	5210	2050	912	869	1040	620
20	1870	4010	3510	4370	5480	14100	5050	2020	956	846	956	604
21	1740	4090	3560	4470	5190	13000	4850	2200	1140	849	865	579
22	1640	4010	3540	4510	4940	11900	4570	2540	1300	846	840	577
23	1560	3790	3460	4550	4750	11200	4270	3230	1320	833	862	601
24	1510	3500	3370	4590	4550	10600	3970	4050	1240	824	872	617
25	1470	3230	3300	4610	4350	10200	3700	4550	1280	817	899	657
26	1440	3230	3210	4560	4150	9790	3460	4800	1520	852	915	699
27	1410	3240	3120	4600	3960	9280	3240	4820	1810	892	922	724
28	1390	3220	3010	4860	3790	8890	3030	4640	2000	852	895	763
29	1390	3120	2900	5150	3640	9120	2820	4350	2010	843	843	852
30	1380	3030	2830	5290	---	9750	2640	4070	1930	840	776	964
31	1360	---	2810	5320	---	10400	---	3810	---	830	724	---
TOTAL	86130	79260	98440	115590	145840	258710	216250	79630	44868	42736	25083	19344
MEAN	2778	2642	3175	3729	5029	8345	7208	2569	1496	1379	809	645
MAX	4830	4090	3560	5320	5850	14600	12700	4820	3490	2330	1040	964
MIN	1360	1340	2810	2800	3640	3030	2640	1430	811	817	645	577

CAL YR 1979 TOTAL 1401990 MEAN 3841 MAX 21600 MIN 974
WTR YR 1980 TOTAL 1211881 MEAN 3311 MAX 14600 MIN 577

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1967 to July 1973, October 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
03...	1215	4220	58	6.2	22.0	3.0	5.6	230	187	18	9	5.6
NOV												
07...	1330	1620	80	6.7	15.5	1.0	9.6	K43	120	16	1	4.6
DEC												
13...	1330	3030	75	6.5	12.5	2.0	9.2	62	K41	17	6	5.3
JAN												
09...	1245	2870	66	6.8	9.5	1.3	9.9	86	K30	16	0	5.1
FEB												
06...	0900	5370	68	7.0	3.0	3.2	11.6	155	137	16	7	5.0
MAR												
06...	0945	2980	63	7.0	7.5	2.5	10.8	188	41	15	0	4.5
APR												
02...	0930	10900	54	6.4	16.5	.80	7.8	--	98	17	1	5.1
MAY												
07...	0845	2010	55	6.5	21.0	2.4	7.2	80	199	12	2	3.7
JUN												
11...	0900	1260	70	6.4	26.0	1.3	6.4	60	157	14	3	4.1
JUL												
02...	0915	1960	58	6.6	27.0	2.5	6.2	K830	75	15	6	4.4
AUG												
06...	0830	792	83	6.7	30.0	2.7	6.2	K47	80	12	2	3.7
SEP												
04...	0855	754	54	6.7	28.0	1.5	6.4	48	110	10	0	2.7

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT												
03...	.9	4.8	.5	5.7	.9	9	11	4.5	6.3	.1	7.1	70
NOV												
07...	1.0	11	1.2	13	1.5	15	--	6.7	11	.0	7.5	62
DEC												
13...	.9	5.8	.6	7.1	1.3	11	--	5.1	10	.0	6.5	62
JAN												
09...	.9	7.6	.8	8.3	.7	24	--	5.2	9.5	.1	6.2	51
FEB												
06...	.9	5.7	.6	6.5	.8	9	--	5.4	6.4	.1	4.8	56
MAR												
06...	.9	5.3	.6	--	.8	15	--	5.1	7.8	.1	1.3	56
APR												
02...	1.0	4.4	.5	5.3	.9	16	--	5.2	6.5	.1	2.3	53
MAY												
07...	.6	5.7	.7	--	1.0	10	--	5.4	7.2	.1	3.7	49
JUN												
11...	.8	10	1.2	--	.9	11	--	7.2	9.1	.0	5.4	70
JUL												
02...	.9	6.1	.7	--	.6	9	--	10	5.8	.1	6.9	64
AUG												
06...	.7	11	1.4	--	.9	10	--	8.9	11	.1	5.7	63
SEP												
04...	.7	6.2	.9	--	.6	14	--	5.0	6.7	.1	6.6	53

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)
OCT											
03...	36	.10	798	.04	.020	.02	.00	.50	.52	.01	.51
NOV											
07...	53	.08	271	.02	.020	.02	.04	.45	.47	.22	.25
DEC											
13...	42	.08	507	.00	.010	.01	.01	.27	.28	.00	.29
JAN											
09...	49	.07	395	.13	.000	.00	.00	.36	.36	.07	.29
FEB											
06...	37	.08	812	.16	.000	.00	.03	.32	.32	.12	.20
MAR											
06...	36	.08	451	.14	.080	.10	.03	.16	.24	.00	.25
APR											
02...	36	.07	1560	.10	.000	.00	.05	.36	.36	.17	.19
MAY											
07...	34	.07	266	.21	.040	.05	.05	.34	.38	.02	.36
JUN											
11...	46	.10	238	.35	.070	.08	.04	.41	.48	.11	.37
JUL											
02...	41	.09	339	.09	.030	.04	.05	.49	.52	.08	.44
AUG											
06...	49	.09	135	.32	.000	.00	.01	.08	.08	.08	.00
SEP											
04...	39	.07	108	.30	.010	.01	.03	.18	.19	.10	.09

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT											
03...	.56	2.5	.060	.18	.040	--	16	--	2	23	100
NOV											
07...	.49	2.2	.080	.25	.010	--	7.3	26	2	8.7	100
DEC											
13...	.28	1.2	.080	.25	.070	0	--	--	1	8.2	100
JAN											
09...	.49	2.2	.060	.18	.050	--	6.4	--	3	23	100
FEB											
06...	.48	2.1	63.000	190	.040	--	11	--	1	14	100
MAR											
06...	.38	1.7	.030	.09	.020	0	--	2300	2	16	100
APR											
02...	.46	2.0	.050	.15	.030	--	10	--	4	118	100
MAY											
07...	.59	2.6	.100	.31	.080	--	6.4	--	8	43	100
JUN											
11...	.83	3.7	.110	.34	.080	0	--	120	11	37	100
JUL											
02...	.61	2.7	.080	.25	.050	0	5.6	100	1	5.3	100
AUG											
06...	.40	1.8	.200	.61	.170	0	3.2	39	5	11	75
SEP											
04...	.49	2.2	.310	.95	.060	0	--	78	--	--	--

02175000 EDISTO RIVER NEAR GIVHANS, S.C.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
DEC 13...	1330	1	1	0	0	0	30	0	0	0	10
MAR 06...	0945	0	0	0	<50	<0	50	0	0	2	10
JUN 11...	0900	1	0	1	50	20	30	0	0	1	10
SEP 04...	0855	1	0	1	100	100	0	0	0	0	30

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)
DEC 13...	0	<10	0	0	0	3	0	49	440	160
MAR 06...	0	<10	0	0	0	1	0	2	400	150
JUN 11...	--	<10	0	0	0	4	1	3	910	460
SEP 04...	20	10	0	0	0	7	0	22	520	280

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
DEC 13...	240	2	0	3	20	10	9	<.1	<.0	<.1
MAR 06...	250	1	1	0	20	10	7	.2	.0	.2
JUN 11...	250	19	18	1	50	30	20	.1	.0	.1
SEP 04...	240	4	0	6	30	10	20	<.1	--	<.1

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED (MG/L AS C)
DEC 13...	0	0	0	0	0	140	20	120	11	.4
MAR 06...	0	0	0	0	0	10	10	0	9.6	.3
JUN 11...	0	0	0	0	0	20	10	10	11	.8
SEP 04...	0	0	0	0	0	20	0	90	2.9	.4

02175500 SALKEHATCHIE RIVER NEAR MILEY, S.C.

LOCATION.--Lat 32°59'20", long 81°03'10", Hampton County, Hydrologic Unit 03050207, on right bank 90 ft (27 m) downstream from bridge on U.S. Highway 601, 2.4 mi (3.9 km) downstream from Savannah Creek, 3.1 mi (5.0 km) upstream from Hampton and Branchville Railroad bridge. 3.1 mi (5.0 km) northwest of Miley, and at mile 68.0 (109.4 km).

DRAINAGE AREA.--341 mi^2 (883 km^2).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 64.35 ft (19.614 m) National Geodetic Vertical Datum of 1929. Dec. 6, 1957 to Jan. 22, 1971, nonrecording gage at same site and datum. Prior to Dec. 6, 1957, nonrecording gage at bridge 90 ft (27 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 356 ft^3/s (10.08 m^3/s), 14.18 in/yr (360 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,300 ft^3/s (93.5 m^3/s) Mar. 13, 1980, gage height, 5.44 ft (1.658 m); minimum, 17 ft^3/s (0.48 m^3/s) Sept. 13, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,300 ft^3/s (93.5 m^3/s) Mar. 13, gage height, 5.44 ft (1.658 m); minimum daily, 62 ft^3/s (1.756 m^3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	829	237	416	405	651	375	1700	317	224	222	160	85
2	829	234	414	441	598	355	1570	307	201	178	140	85
3	781	255	396	486	550	348	1400	301	188	152	120	80
4	700	283	372	473	519	351	1350	295	176	137	120	85
5	781	311	369	457	490	363	1570	292	164	133	120	85
6	683	375	363	431	485	417	1450	283	157	137	120	80
7	550	440	422	397	480	445	1210	274	152	148	120	75
8	485	445	436	372	465	606	1020	263	147	157	130	75
9	470	413	429	374	485	1230	961	255	140	147	150	75
10	408	391	456	374	591	1480	880	247	130	126	180	72
11	337	450	460	402	667	1400	800	250	124	111	200	72
12	295	564	440	434	700	1350	809	257	117	108	210	75
13	271	570	410	436	735	2640	790	255	115	105	220	73
14	252	584	382	470	726	2910	809	239	116	102	220	72
15	242	790	371	506	683	2500	859	224	115	99	200	70
16	237	890	494	539	628	2120	781	215	110	95	190	65
17	232	809	569	561	564	1810	753	217	110	92	220	62
18	227	709	544	550	525	1640	771	255	222	97	200	67
19	227	598	572	530	525	1400	683	257	404	117	170	63
20	227	502	564	507	532	1180	620	351	383	103	150	68
21	232	432	502	479	519	1210	544	355	426	97	140	80
22	234	385	450	457	490	1280	508	408	455	94	133	94
23	232	358	408	494	480	1190	480	620	404	128	131	85
24	234	346	383	516	465	1090	465	1210	351	182	133	88
25	232	351	389	494	460	985	440	859	387	163	130	191
26	232	404	389	545	450	913	404	613	355	180	120	235
27	237	410	388	721	435	880	375	513	355	210	110	253
28	239	404	397	744	417	949	355	417	426	199	110	327
29	237	397	397	692	391	1250	337	355	375	190	110	459
30	232	408	398	667	---	1520	327	301	289	180	100	552
31	244	---	404	659	---	1750	---	255	---	170	90	---
TOTAL	11648	13745	13368	15613	15706	37937	25021	11260	7318	4359	4647	3848
MEAN	376	458	431	504	542	1224	834	363	244	141	150	128
MAX	829	890	572	744	735	2910	1700	1210	455	222	220	552
MIN	227	234	369	372	391	348	327	215	110	92	90	62
CFSM	1.10	1.34	1.26	1.48	1.59	3.59	2.45	1.07	.72	.41	.44	.38
IN.	1.27	1.50	1.46	1.70	1.71	4.14	2.73	1.23	.80	.48	.51	.42

CAL YR 1979 TOTAL 156327 MEAN 428 MAX 2760 MIN 91 CFSM 1.26 IN 17.05
WTR YR 1980 TOTAL 164470 MEAN 449 MAX 2910 MIN 62 CFSM 1.32 IN 17.94

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.
(National stream-quality accounting network station)

LOCATION.--Lat 32°50'10", long 81°07'55", Hampton County, Hydrologic Unit 03050208, near left bank on downstream side of bridge on U.S. Highway 601, 1.6 mi (2.6 km) downstream from Black Creek, 2.5 mi (4.0 km) southwest of Hampton, and at mile 33.6 (54.1 km).

DRAINAGE AREA.--203 mi^2 (526 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 50.30 ft (15.331 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 189 ft^3/s (5.352 m^3/s), 12.64 in/yr (321 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,160 ft^3/s (231 m^3/s) Sept. 2, 1969, gage height, 8.39 ft (2.557 m), from floodmarks; no flow for some days in 1951, 1954, 1956, 1957, 1960, 1969, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,800 ft^3/s (136 m^3/s) Mar. 14, gage height, 7.09 ft (2.161 m); no flow July 29 to Aug. 8, Sept. 2-12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1290	81	141	239	470	136	1250	93	51	16	.00	.07
2	837	81	130	239	455	133	972	85	39	14	.00	.00
3	585	89	122	223	408	130	800	78	32	9.3	.00	.00
4	470	101	117	207	359	130	800	72	25	7.1	.00	.00
5	947	113	113	196	315	133	916	67	20	5.8	.00	.00
6	1150	106	130	185	315	175	906	60	18	5.3	.00	.00
7	818	95	219	175	342	231	763	55	17	5.6	.00	.00
8	585	87	320	172	342	348	638	51	16	5.3	.00	.00
9	449	81	300	189	320	1020	585	47	14	4.1	.17	.00
10	359	78	243	211	359	1150	556	49	11	3.4	4.3	.00
11	295	117	200	257	449	964	536	47	8.3	3.0	3.2	.00
12	252	207	175	315	449	772	449	42	7.7	3.0	2.6	.00
13	219	348	162	337	389	3420	402	35	7.7	2.5	2.1	.50
14	192	331	159	337	337	4150	396	31	7.4	2.5	1.8	.50
15	165	261	159	337	305	2320	507	26	7.4	2.5	1.5	.50
16	150	203	300	315	280	1530	492	24	6.5	2.0	1.2	.50
17	138	168	556	290	285	1250	408	27	5.6	2.0	1.5	.50
18	136	150	536	266	275	1180	337	47	14	2.0	1.9	.50
19	141	138	435	252	248	1220	305	76	29	1.5	1.7	.50
20	147	125	348	243	227	1080	310	150	66	1.5	4.1	1.0
21	138	115	295	227	215	1060	315	295	67	1.5	5.5	1.0
22	130	110	261	211	207	1040	295	192	43	1.0	5.5	1.0
23	113	106	243	315	207	937	257	200	26	1.0	4.6	1.0
24	110	106	235	455	207	763	215	593	21	1.0	3.7	1.0
25	108	104	248	442	211	694	178	847	25	.50	3.3	1.0
26	104	141	266	396	192	654	156	463	39	.50	2.9	1.0
27	97	192	266	549	172	646	138	266	51	.50	2.3	1.5
28	91	215	248	694	159	746	128	175	46	.50	1.8	1.5
29	85	192	223	670	150	1260	115	128	31	.00	1.4	1.5
30	83	162	207	556	---	1520	101	91	20	.00	.94	1.5
31	81	---	215	484	---	1560	---	67	---	.00	.49	---
TOTAL	10467	4403	7572	9984	8649	32352	14226	4479	771.6	104.90	58.50	14.57
MEAN	338	147	244	322	298	1044	474	144	25.7	3.38	1.89	.55
MAX	1290	348	556	694	470	4150	1250	847	67	16	5.5	1.5
MIN	81	78	113	172	150	130	101	24	5.6	.00	.00	.00
CFSM	1.67	.72	1.20	1.59	1.47	5.14	2.34	.71	.13	.02	.009	.003
IN.	1.92	.81	1.39	1.83	1.59	5.93	2.61	.82	.14	.02	.01	.00

CAL YR 1979 TOTAL 96328.40 MEAN 264 MAX 2040 MIN 5.6 CFSM 1.30 IN 17.65
WTR YR 1980 TOTAL 93083.57 MEAN 254 MAX 4150 MIN .00 CFSM 1.25 IN 17.06

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1972 to July 1973, October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1975 to current year.
WATER TEMPERATURE: April 1975 to current year.

INSTRUMENTATION.--Servo Programmer since April 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 188 micromhos Oct. 31, 1978; minimum, 33 micromhos Mar. 14, 1980.
WATER TEMPERATURE: Maximum, 33.0°C Aug. 9, 1980; minimum, 0.0°C Jan. 20, 1976.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 168 micromhos July 18, 19; minimum, 33 micromhos Mar. 14.
WATER TEMPERATURE: Maximum, 33.0°C Aug. 9; minimum, 2.0°C Feb. 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
04...	1115	384	67	6.2	19.0	3.0	5.4	110	277	23	11	6.9
NOV												
08...	1115	72	80	6.5	12.5	2.0	8.0	K46	152	26	18	7.5
DEC												
14...	1130	136	77	6.5	14.0	2.0	6.4	75	110	25	0	7.4
JAN												
10...	1100	190	77	6.8	8.0	1.0	8.8	50	168	23	6	6.7
FEB												
06...	1230	295	66	7.0	4.5	2.0	11.4	117	148	19	0	5.3
MAR												
06...	1330	186	63	7.0	13.0	2.0	9.2	82	52	22	7	6.4
APR												
02...	1345	848	50	6.4	17.8	1.0	8.6	--	240	17	2	4.7
MAY												
07...	1200	46	72	6.5	21.5	2.5	6.7	125	207	23	6	6.6
JUN												
12...	1030	5.8	77	6.5	21.5	1.5	5.6	--	--	28	9	7.8
JUL												
02...	1215	12	87	6.7	24.5	2.5	6.3	105	160	37	8	11
AUG												
06...	1130	.00	120	6.8	27.5	2.3	2.6	K31	189	46	3	14

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	SODIUM+POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT												
04...	1.5	4.3	.4	5.5	1.2	12	15	4.7	8.3	.1	9.9	82
NOV												
08...	1.7	6.0	.5	7.3	1.3	16	--	2.5	9.8	.1	11	77
DEC												
14...	1.6	4.9	.4	6.3	1.4	25	--	2.0	10	.1	11	76
JAN												
10...	1.5	5.4	.5	6.2	.8	17	--	3.3	9.5	.1	9.7	60
FEB												
06...	1.3	4.3	.4	4.9	.6	27	--	4.1	8.3	.1	7.3	56
MAR												
06...	1.5	4.3	.4	--	1.0	15	--	3.4	8.9	.1	5.0	59
APR												
02...	1.3	3.3	.3	4.3	1.0	15	--	4.8	6.2	.1	3.9	56
MAY												
07...	1.6	4.9	.4	--	.9	17	--	2.7	8.4	.1	6.5	66
JUN												
12...	2.1	4.9	.4	--	1.2	19	--	4.8	7.8	.1	9.7	101
JUL												
02...	2.2	4.8	.3	--	1.5	29	--	3.3	8.0	.1	9.8	84
AUG												
06...	2.6	5.1	.3	--	2.1	43	--	5.3	6.5	.1	9.8	85

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT											
04...	44	.11	85.0	.04	.020	.02	.06	.61	.63	.00	1.0
NOV											
08...	58	.10	15.0	.00	.140	.17	.17	.39	.53	.00	.57
DEC											
14...	54	.10	27.2	.00	.030	.04	.06	.73	.76	.32	.44
JAN											
10...	48	.08	30.8	.06	.000	.00	.04	.57	.57	.05	.52
FEB											
06...	49	.08	44.6	.23	.000	.00	.04	.42	.42	.08	.34
MAR											
06...	41	.08	29.6	.18	.080	.10	.00	.20	.28	.04	.24
APR											
02...	35	.05	128	.20	.010	.01	.03	.67	.68	.20	.48
MAY											
07...	43	.09	8.20	.14	.080	.10	.10	.63	.71	.19	.52
JUN											
12...	53	.14	1.58	.56	.100	.12	.17	.63	.73	.09	.64
JUL											
02...	59	.11	2.84	.25	.030	.04	.06	.52	.55	.00	.78
AUG											
06...	72	.12	.00	.07	.400	.48	.46	.50	.90	.38	.52

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT											
04...	.67	3.0	.100	.31	.080	--	21	--	2	2.1	100
NOV											
08...	.53	2.3	.070	.21	.050	--	11	0	2	.39	100
DEC											
14...	.76	3.4	.060	.18	.050	0	--	--	2	.73	100
JAN											
10...	.63	2.8	.050	.15	.040	--	7.5	--	2	1.0	100
FEB											
06...	.65	2.9	.050	.15	.030	--	17	--	1	.80	100
MAR											
06...	.46	2.0	.050	.15	.030	0	--	2300	1	.50	100
APR											
02...	.88	3.9	.090	.28	.050	--	11	--	10	23	100
MAY											
07...	.85	3.8	.080	.25	.090	--	11	--	11	1.4	100
JUN											
12...	1.3	5.7	.140	.43	.100	0	--	65	9	.14	100
JUL											
02...	.80	3.5	.130	.40	.110	0	9.9	0	10	.35	100
AUG											
06...	.97	4.3	.220	.67	.170	0	25	310	1	.00	100

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)
DEC 14...	1130	0	0	0	0	0	50	0	0	3	30	10
MAR 06...	1330	1	0	1	<50	<0	100	0	0	6	10	0
JUN 12...	1030	1	1	0	50	20	30	0	0	0	10	--

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
DEC 14...	20	2	0	4	1	0	60	530	160	370	2
MAR 06...	<10	0	0	3	1	0	20	460	140	320	4
JUN 12...	<10	0	0	0	4	1	3	890	390	500	2

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)
DEC 14...	0	6	30	0	30	<.1	<.0	<.1	0	0	0
MAR 06...	0	4	40	20	20	.1	.0	<.1	0	--	--
JUN 12...	1	1	230	40	190	.2	.0	.2	0	0	0

DATE	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED (MG/L AS C)	PERIPHYTON BIOMASS ASH WEIGHT G/SQ M	PERIPHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	CHLOR-A PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2)	CHLOR-B PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2)
DEC 14...	0	0	10	0	10	14	.3	--	--	--	--
MAR 06...	0	0	10	0	30	9.9	--	--	--	--	--
JUN 12...	0	0	10	8	2	9.2	.7	2.44	3.86	3.46	.150

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	92	80	83	72	71	72
2	---	---	---	---	---	---	87	77	81	72	71	71
3	---	---	---	---	---	---	81	77	79	73	71	72
4	68	59	66	---	---	---	87	77	80	73	70	72
5	60	51	55	---	---	---	87	78	80	73	72	73
6	54	46	51	---	---	---	81	73	77	73	72	73
7	59	55	57	---	---	---	82	75	77	74	72	73
8	62	54	59	81	79	81	85	72	76	75	68	72
9	64	57	62	84	78	81	81	71	74	77	70	74
10	65	60	64	98	82	85	75	71	73	90	69	79
11	66	61	66	87	78	81	87	73	75	70	67	68
12	67	60	65	82	75	81	89	74	78	72	66	69
13	71	64	67	81	78	80	96	77	83	72	65	70
14	74	68	71	79	72	77	94	81	84	66	64	65
15	74	68	71	79	71	76	83	71	79	67	63	65
16	83	69	74	82	71	76	71	66	69	70	67	68
17	89	76	82	80	71	76	66	63	64	72	70	71
18	88	70	79	81	73	77	64	63	63	77	69	73
19	86	73	80	81	75	78	65	64	64	78	77	77
20	117	74	86	83	77	80	66	65	65	79	77	78
21	122	82	90	85	77	81	67	66	67	80	79	79
22	87	79	83	90	77	83	69	67	68	83	69	80
23	91	74	80	98	80	89	71	69	70	72	67	69
24	78	74	76	98	88	92	71	67	70	72	69	71
25	79	70	76	94	86	90	71	67	70	71	70	70
26	80	72	77	94	85	89	70	70	70	72	64	68
27	78	73	77	87	78	85	70	69	70	64	62	63
28	82	75	80	91	77	84	70	69	70	62	61	61
29	82	77	81	92	81	85	71	70	71	65	62	63
30	84	76	81	90	78	83	71	68	69	67	65	65
31	84	81	83	---	---	---	72	70	71	67	64	64

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	66	64	65	87	83	85	49	48	49	65	64	65
2	66	65	66	83	74	78	49	46	49	65	64	65
3	67	66	66	78	71	75	50	49	50	66	65	66
4	67	66	67	83	74	78	50	47	49	66	66	66
5	68	67	67	83	71	76	51	50	50	68	66	67
6	69	67	68	73	63	70	51	50	51	69	68	69
7	68	68	68	71	70	71	52	51	51	72	69	71
8	68	67	68	72	51	64	53	51	52	72	71	72
9	68	66	67	56	51	53	55	51	53	74	72	73
10	66	64	65	58	53	55	57	54	55	74	67	73
11	67	65	66	59	57	58	55	53	55	72	69	70
12	67	65	66	60	51	58	56	55	55	70	69	70
13	68	66	67	48	34	38	57	56	57	73	69	71
14	68	67	67	38	33	36	57	54	56	78	72	74
15	69	67	68	39	37	38	57	54	55	83	77	79
16	69	65	67	41	37	40	57	54	56	85	83	86
17	68	65	67	44	41	43	58	57	58	84	70	78
18	67	65	66	45	43	44	59	58	58	101	72	83
19	69	66	67	46	45	45	60	59	59	103	83	97
20	74	68	70	46	43	45	60	57	58	84	76	81
21	75	73	74	45	42	44	60	57	59	77	70	73
22	75	66	71	47	45	46	61	60	61	71	66	68
23	80	66	71	48	47	47	62	60	61	71	57	67
24	81	75	78	48	47	48	62	61	61	63	57	61
25	87	80	82	49	48	48	63	62	62	59	55	56
26	85	76	79	49	49	49	65	63	64	61	58	60
27	79	74	76	50	49	49	67	64	65	61	59	60
28	84	75	79	50	47	49	68	66	67	62	60	61
29	87	83	85	48	47	48	67	64	66	63	61	62
30	---	---	---	48	46	47	64	63	64	64	63	63
31	---	---	---	48	47	47	---	---	---	64	63	64

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	66	64	65	104	65	82	117	114	---	155	149	151
2	68	66	67	97	69	83	119	114	116	154	147	152
3	70	68	69	101	81	96	120	116	118	156	149	152
4	74	70	72	104	101	103	122	117	119	157	146	152
5	73	72	72	106	105	106	121	115	119	156	148	152
6	72	69	71	109	108	108	120	116	118	159	152	154
7	76	69	71	111	111	111	120	114	117	153	153	153
8	79	71	75	113	97	110	---	---	---	---	---	---
9	72	70	71	116	114	116	---	---	---	---	---	---
10	73	71	71	118	116	118	78	67	74	---	---	---
11	82	73	76	121	100	115	91	79	86	---	---	---
12	81	75	78	123	72	114	97	91	95	---	---	---
13	76	71	72	125	74	119	101	97	100	---	---	---
14	84	70	75	127	113	123	104	101	103	---	---	---
15	81	73	77	129	116	125	106	103	105	---	---	---
16	80	75	77	127	120	124	109	104	107	---	---	---
17	137	73	78	129	124	126	115	108	111	---	---	---
18	168	160	164	132	127	130	123	115	120	---	---	---
19	168	158	165	134	131	132	126	121	123	---	---	---
20	163	159	163	133	130	131	125	108	116	---	---	---
21	159	158	158	134	128	131	155	119	142	---	---	---
22	153	140	149	133	128	130	159	151	155	---	---	---
23	148	129	143	132	128	130	157	151	154	---	---	---
24	143	141	143	133	129	131	153	147	150	---	---	---
25	137	114	126	133	130	132	158	147	150	---	---	---
26	109	91	102	135	111	121	152	147	149	---	---	---
27	127	76	96	117	112	115	151	147	149	---	---	---
28	121	87	105	112	107	109	153	148	149	---	---	---
29	116	113	116	111	107	109	152	147	150	---	---	---
30	110	86	96	113	110	111	152	147	150	---	---	---
31	---	---	---	117	112	114	151	147	150	---	---	---
YEAR	168	33	82									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	7.5	5.0	6.5	9.5	8.5	9.0
2	---	---	---	---	---	---	7.0	5.5	6.5	8.5	7.0	7.5
3	---	---	---	---	---	---	6.0	4.0	5.0	8.5	6.5	7.5
4	20.0	19.0	19.5	---	---	---	6.5	4.0	5.0	8.0	7.5	7.5
5	19.5	17.5	18.5	---	---	---	7.5	4.5	6.0	7.5	6.0	7.0
6	17.5	16.5	17.0	---	---	---	10.5	7.5	9.0	6.0	4.5	5.5
7	17.5	16.5	17.0	---	---	---	12.0	10.5	11.0	7.0	3.5	5.5
8	17.0	15.5	16.5	14.0	13.0	13.5	11.5	10.0	10.5	9.0	7.0	8.0
9	17.5	16.0	17.0	15.0	12.5	14.0	10.0	8.5	9.0	10.5	9.0	10.0
10	18.0	17.0	17.5	18.0	15.0	16.5	9.0	7.0	8.0	10.5	9.0	10.0
11	16.5	15.0	16.0	18.5	17.5	18.0	10.0	7.5	9.0	10.5	8.5	9.5
12	16.5	14.5	15.5	17.5	15.0	16.0	12.0	9.5	10.5	11.5	10.0	10.5
13	18.0	16.0	17.0	15.0	13.5	14.0	14.5	11.5	13.0	10.0	7.0	8.5
14	17.5	14.0	15.5	13.0	11.5	12.5	14.0	12.5	13.5	7.5	6.5	7.0
15	15.0	12.5	14.0	11.0	9.5	10.5	12.5	9.5	10.5	9.5	7.0	8.5
16	16.5	14.5	15.5	11.0	9.0	10.0	10.0	9.5	9.5	10.5	8.0	9.5
17	18.0	16.0	17.0	11.5	9.0	10.5	10.0	8.0	9.0	12.0	10.0	11.0
18	19.0	17.5	18.0	12.5	10.0	11.5	7.5	6.0	6.5	13.0	11.5	12.5
19	19.5	18.0	19.0	12.5	10.5	11.5	7.0	5.0	6.0	12.5	11.0	12.0
20	20.5	19.0	19.5	13.0	10.5	11.5	7.5	5.5	6.5	11.5	9.0	10.5
21	20.5	19.0	19.5	13.0	10.5	12.0	8.5	7.0	7.5	11.5	9.5	10.5
22	20.0	18.5	19.5	14.5	12.0	13.0	9.0	8.0	8.5	12.0	11.0	11.5
23	19.5	18.5	19.0	16.5	14.0	15.0	11.5	9.0	10.0	12.0	9.5	11.5
24	18.5	15.5	16.5	17.5	15.5	16.5	13.5	11.0	12.0	9.0	7.5	8.5
25	16.5	14.0	15.0	18.5	16.0	17.5	12.5	9.5	11.0	10.0	8.0	9.0
26	15.5	14.0	14.5	18.5	15.0	17.5	10.0	8.5	9.0	9.5	9.5	9.5
27	14.5	12.0	13.5	14.5	12.5	14.0	9.0	7.0	8.5	9.5	9.0	9.0
28	15.0	12.0	14.0	15.0	12.5	14.0	9.0	7.5	8.5	9.5	8.5	9.0
29	16.0	14.0	15.0	13.5	9.0	11.0	9.0	7.0	8.5	10.0	8.5	9.0
30	17.5	15.5	16.5	9.0	6.5	7.5	9.5	8.5	9.0	9.5	8.5	9.0
31	18.5	17.0	17.5	---	---	---	9.5	9.0	9.5	8.5	6.5	8.0

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.5	4.0	5.0	13.5	9.5	12.0	18.5	14.0	16.5	17.5	12.0	15.0
2	4.0	2.5	3.5	9.0	5.5	7.0	17.5	14.0	16.0	17.5	11.0	14.5
3	4.5	2.5	3.5	8.5	4.5	6.5	18.0	17.0	17.5	17.5	12.5	15.0
4	4.5	2.5	3.5	10.5	5.5	8.0	19.0	16.0	18.0	18.5	13.0	16.5
5	4.5	2.0	3.5	11.0	9.5	10.0	18.0	14.0	16.0	19.0	17.0	18.0
6	5.0	4.0	4.5	14.0	11.0	12.5	14.5	11.0	13.0	20.0	17.0	18.5
7	6.0	4.0	5.0	16.0	10.5	13.0	14.5	11.5	13.0	22.0	17.5	20.0
8	6.5	4.0	5.5	14.5	13.0	14.0	18.5	14.5	16.5	22.5	21.0	21.5
9	6.5	5.5	6.0	16.0	14.0	14.5	19.5	16.5	18.0	21.0	17.0	20.0
10	7.0	6.0	6.5	16.0	14.5	15.0	18.5	14.5	17.5	20.0	13.0	17.0
11	7.5	5.0	6.0	17.0	13.5	15.0	18.5	12.5	16.0	21.5	16.5	19.5
12	8.0	6.0	7.0	14.0	9.0	11.5	18.0	13.5	16.0	23.5	20.5	22.0
13	9.0	6.5	8.0	8.5	7.5	8.0	20.0	17.0	18.5	24.0	22.0	23.0
14	10.5	7.5	9.0	9.5	8.0	8.5	19.5	17.5	19.0	24.5	22.5	23.5
15	11.0	8.0	9.5	10.5	8.5	9.5	16.5	11.5	13.5	23.5	23.0	23.5
16	12.5	9.5	11.0	11.5	9.0	10.5	14.5	10.0	12.0	23.0	22.0	22.5
17	11.5	8.5	10.0	15.0	11.5	12.5	14.0	10.0	12.0	22.0	20.5	21.0
18	9.0	6.0	7.5	19.0	14.5	16.0	16.0	10.5	13.0	23.5	20.5	22.0
19	10.0	6.5	8.0	15.5	12.5	14.5	13.0	11.5	12.5	24.0	22.0	23.0
20	12.0	9.0	10.5	14.5	12.5	13.0	16.0	11.0	13.0	23.5	21.5	22.0
21	13.0	11.5	12.0	19.0	12.5	15.5	17.5	11.0	14.5	23.5	21.5	22.5
22	14.5	13.0	13.5	15.5	11.5	13.5	18.5	12.0	16.0	23.5	22.0	22.5
23	19.0	13.5	15.5	15.5	11.0	12.5	19.5	14.0	17.5	23.0	21.0	22.0
24	20.0	15.5	17.5	13.0	12.0	12.5	20.5	18.0	19.5	23.0	21.0	22.0
25	22.0	16.0	18.5	18.5	11.5	14.5	21.0	18.5	20.0	22.5	21.5	22.0
26	15.0	10.5	12.0	15.0	12.0	13.0	20.5	19.0	20.0	23.0	21.5	22.0
27	12.0	8.5	10.5	14.0	11.5	12.5	21.0	19.0	19.5	22.5	21.0	21.5
28	14.0	10.0	12.0	12.0	11.0	11.5	19.5	16.0	18.0	22.5	20.0	21.5
29	16.0	13.0	14.0	12.0	11.0	11.5	17.5	13.0	15.5	23.0	21.5	22.5
30	---	---	---	14.5	11.5	12.5	17.5	11.5	14.5	23.5	21.5	22.5
31	---	---	---	18.0	13.5	15.5	---	---	---	23.5	21.5	22.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.5	21.5	22.5	25.5	23.5	24.5	27.5	25.5	26.5	26.5	24.5	25.5
2	24.0	22.0	23.0	25.5	24.0	24.5	28.0	26.5	27.0	27.0	25.0	26.0
3	25.0	22.0	23.5	26.0	24.0	25.0	28.0	26.5	27.5	27.5	25.0	26.5
4	25.5	23.5	24.5	26.0	25.0	25.5	28.5	26.5	27.5	27.5	25.5	26.0
5	24.5	23.0	24.0	26.5	25.0	25.5	29.0	26.5	28.0	27.5	25.0	26.5
6	24.0	22.5	23.0	27.0	26.0	26.5	29.0	26.5	28.0	27.5	25.0	26.0
7	24.5	23.0	23.5	26.0	25.0	25.5	29.0	26.5	27.5	25.5	24.5	25.0
8	26.0	24.0	25.0	26.0	25.0	25.5	27.5	24.0	26.0	---	---	---
9	25.5	22.5	23.5	26.0	25.5	25.5	33.0	22.5	26.5	---	---	---
10	23.5	21.0	22.0	26.5	25.5	26.0	25.5	23.5	24.5	---	---	---
11	23.0	21.0	22.0	27.0	26.0	26.5	25.5	24.0	25.0	---	---	---
12	22.5	21.0	22.0	27.5	26.5	27.0	26.0	24.5	25.5	---	---	---
13	22.0	20.5	21.0	28.5	27.0	27.5	26.5	25.5	26.0	---	---	---
14	21.5	19.5	20.5	28.0	27.5	27.5	27.0	25.0	26.0	---	---	---
15	23.0	21.0	22.0	27.5	26.5	27.0	27.5	25.5	26.5	---	---	---
16	24.0	22.5	23.0	27.5	26.5	27.0	27.5	26.0	27.0	---	---	---
17	23.5	23.0	23.5	27.5	26.0	26.5	27.0	25.5	26.5	---	---	---
18	23.0	21.5	22.0	27.5	26.0	26.5	26.0	24.5	25.5	---	---	---
19	22.5	21.5	22.0	27.5	26.0	27.0	26.5	25.0	26.0	---	---	---
20	23.5	22.0	22.5	27.5	26.0	27.0	26.0	25.0	25.5	---	---	---
21	24.0	22.5	23.0	28.0	26.0	27.0	26.0	25.0	25.5	---	---	---
22	24.5	22.5	23.5	26.5	25.5	26.0	25.5	25.0	25.5	---	---	---
23	24.0	22.5	23.0	27.5	25.0	26.0	25.0	24.5	25.0	---	---	---
24	24.5	23.0	24.0	27.0	25.0	26.0	24.5	23.5	24.0	---	---	---
25	24.0	23.5	24.0	26.0	24.5	25.5	24.0	23.0	23.5	---	---	---
26	24.0	23.0	23.5	24.5	24.0	24.0	24.0	22.5	23.5	---	---	---
27	25.0	23.0	24.0	25.0	24.0	24.5	24.0	22.5	23.5	---	---	---
28	26.0	24.0	25.0	25.0	24.5	24.5	24.5	23.0	24.0	---	---	---
29	26.5	25.0	25.5	25.5	24.5	25.0	25.0	23.5	24.5	---	---	---
30	26.5	25.0	25.5	25.5	24.5	25.0	25.5	24.0	25.0	---	---	---
31	---	---	---	26.5	25.0	26.0	26.0	24.0	25.0	---	---	---
YEAR	33.0	2.0	16.5									

02176830 GREAT SWAMP CANAL NO. 2 NEAR RIDGELAND, S.C.

LOCATION.--Lat 32°31'08", long 81°02'29", Jasper County, Hydrologic Unit 03050208, at bridge on South Carolina Secondary Highway 115, 4.4 mi (7.1 km) northwest of Ridgeland.

PERIOD OF RECORD.--October 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT										
16...	1100	4.0	60	4.6	15.0	6.6	10	2.2	1.0	100
DEC										
20...	1210	66	59	4.6	7.0	9.1	8	1.5	1.0	80
JAN										
16...	1145	38	60	4.5	9.5	8.2	11	2.3	1.2	40
FEB										
07...	1025	35	63	4.6	3.0	10.4	22	4.3	2.8	72
MAR										
07...	1135	12	51	5.0	13.0	7.7	14	2.7	1.7	70
APR										
03...	1100	91	44	4.4	16.5	6.6	5	1.0	.7	71

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS PO4)
OCT										
16...	.14	1.08	.10	.44	.010	.03	.11	.050	.010	.03
DEC										
20...	.11	14.3	.09	.40	.000	.00	.09	.010	.000	.00
JAN										
16...	.11	7.56	.05	.22	.010	.03	.06	.000	.010	.03
FEB										
07...	.10	6.80	.07	.31	.020	.07	.09	.000	.000	.00
MAR										
07...	.10	2.36	.10	.44	.010	.03	.11	.000	.000	.00
APR										
03...	.10	17.4	.02	.09	.010	.03	.03	.000	.000	.00

02176845 GREAT SWAMP CANAL NO. 1 NEAR RIDGELAND, S.C.

LOCATION.--Lat 32°31'11", long 81°02'28", Jasper County, hydrologic unit 03050208, at bridge on South Carolina Secondary Highway 115, 5.4 mi (8.6 km) northwest of Ridgeland.

PERIOD OF RECORD.--October 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 16...	1240	4.0	60	3.9	16.7	6.2	6	1.3	.7	100
DEC 20...	1240	41	66	4.4	7.0	8.1	17	3.5	2.1	86
JAN 16...	1225	18	66	4.3	10.0	7.7	7	1.3	.8	78
FEB 07...	1100	18	66	4.3	2.5	10.4	11	2.6	1.1	72
MAR 07...	1310	11	76	4.6	15.0	7.2	16	2.7	2.2	70
APR 03...	1200	72	46	4.2	17.0	5.5	13	2.1	2.0	515

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS PO4)
OCT 16...	.14	1.08	.01	.04	.010	.03	.02	.000	.000	.00
DEC 20...	.12	9.52	.00	.00	.000	.00	.00	.000	.000	.00
JAN 16...	.11	3.79	.00	.00	.010	.03	.00	.000	.000	.00
FEB 07...	.10	3.50	.00	.00	.030	.10	.03	.000	.000	.00
MAR 07...	.10	2.12	.01	.04	.000	.00	.01	.000	.010	.03
APR 03...	.70	100	.00	.00	.010	.03	.01	.000	.000	.00

02176875 GREAT SWAMP NEAR RIDGELAND, S.C.

LOCATION.--Lat 32°29'45", long 81°01'97", Jasper County, Hydrologic Unit 03050208, at bridge on South Carolina Secondary Highway 39, 2.4 mi (3.9 km) northwest of Ridgeland.

DRAINAGE AREA.--48.8 mi^2 (126.4 mi^2)

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 35 ft (10.6 m) (from topographic map).

REMARKS.--Records fair, except those for period of no gage-height record November 16 to December 19, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft^3/s (38.5 m^3/s) Mar. 13, 1980, gage height, 6.18 ft (1.884 m); no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,360 ft^3/s (38.5 m^3/s) Mar. 13, gage height, 6.18 ft (1.884 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	.00	26	37	89	26	268	.30	26	5.4	.00	.00
2	62	.00	24	35	83	24	200	.00	21	2.3	.00	.00
3	76	.00	22	33	75	23	163	.00	15	.60	.00	.00
4	68	.00	20	32	70	21	196	.00	9.0	.00	.00	.00
5	76	.00	19	31	65	22	244	.00	5.1	.00	.00	.00
6	68	.00	22	29	60	31	177	.00	2.6	.00	.00	.00
7	57	.00	39	28	57	38	129	.00	.90	.00	.00	.00
8	49	.00	70	31	53	38	98	.00	.30	6.5	.00	.00
9	42	.00	50	34	49	42	87	.00	.00	9.2	.00	.00
10	36	.00	44	40	67	48	74	.00	.00	5.4	.00	.00
11	32	.00	36	52	98	47	57	.00	.00	2.3	.00	.00
12	27	.30	32	51	85	53	46	.00	.00	.30	.60	.00
13	24	.00	28	53	71	655	40	.00	.00	.00	2.0	.00
14	21	.00	26	62	62	1220	41	.00	.00	.00	21	.00
15	18	.00	26	60	56	954	41	.00	.00	.00	17	.00
16	14	1.0	60	56	55	666	35	.00	.00	.00	9.2	.00
17	12	10	130	53	70	439	30	.00	.30	.00	4.6	.00
18	18	46	120	53	55	401	27	15	3.4	.00	3.4	.00
19	16	34	100	49	50	368	24	8.1	2.0	.00	1.8	.00
20	14	30	89	44	44	283	22	16	.30	.00	.30	.00
21	11	26	77	40	40	253	21	13	2.3	.00	.00	.00
22	8.7	24	67	47	36	221	17	48	2.6	.00	.00	.00
23	6.5	22	60	65	35	167	14	408	2.6	.00	.00	.00
24	4.8	20	58	80	38	123	10	1030	12	.00	.00	.00
25	3.2	19	57	75		108	7.6	720	47	.00	.00	.00
26	1.8	18	50	70	34	89	5.4	387	89	2.0	.00	.00
27	.60	40	45	95	32	72	4.8	217	40	1.5	.00	.00
28	.00	50	40	130	29	98	4.0	120	26	.00	.00	.00
29	.00	34	39	98	28	217	2.9	70	18	.00	.00	.00
30	.00	30	40	87	---	332	1.5	46	11	.00	.00	.00
31	.00	---	40	79	---	368	---	34	---	.00	.00	---
TOTAL	809.60	404.30	1555	1729	1626	7447	2086.2	3132.40	336.40	35.50	59.90	.00
MEAN	26.1	13.5	50.2	55.8	56.1	240	69.5	101	11.2	1.15	1.93	.000
MAX	76	50	130	130	98	1220	268	1030	89	9.2	21	.00
MIN	.00	.00	19	28	28	21	1.5	.00	.00	.00	.00	.00

CAL YR 1979 TOTAL 14633.79 MEAN 40.1 MAX 696 MIN .00
WTR YR 1980 TOTAL 19221.30 MEAN 52.5 MAX 1220 MIN .00

02176875 GREAT SWAMP NEAR RIDGELAND, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
DEC										
20...	1130	115	58	4.8	7.0	9.5	12	2.5	1.4	82
JAN										
16...	1100	162	58	4.8	9.5	8.6	19	4.8	1.6	77
FEB										
07...	0945	47	60	4.6	2.5	11.1	9	2.0	1.0	70
MAR										
07...	0945	39	48	5.0	11.5	8.6	12	2.1	1.6	67
APR										
03...	1010	166	42	4.5	17.0	6.9	7	1.4	.8	72

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS PO4)
DEC										
20...	.11	25.5	.06	.27	.000	.00	.06	.000	.000	.00
JAN										
16...	.10	33.7	.07	.31	.010	.03	.08	.000	.030	.09
FEB										
07...	.10	8.88	.06	.27	.020	.07	.08	.000	.000	.00
MAR										
07...	.09	7.18	.05	.22	.010	.03	.06	.000	.000	.00
APR										
03...	.10	32.3	.02	.09	.010	.03	.03	.000	.000	.00

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C.-Rabon County, Ga., Hydrologic Unit 03060102, on left bank 150 ft (46 m) downstream from bridge on U.S. Highway 76, 2.8 mi (4.5 km) upstream from Stekoa Creek, 7 mi (11.3 km) southeast of Clayton, 9 mi (14.5 km) downstream from War Woman Creek, and 9 mi (14.5 km) upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi^2 (536 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1907 to June 1908, October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1383: 1940-41, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft (355.3 m) National Geodetic Vertical Datum of 1929. May 1907 to June 1908, nonrecording gage at site 400 ft (122 m) upstream at different datum.

REMARKS.--Records good except for period of no gage-height record, Nov. 25 to Dec. 5, which are fair.

AVERAGE DISCHARGE.--41 years, 668 ft^3/s (18.9 m^3/s), 43.82 in/yr (1,113 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft^3/s (821 m^3/s) Aug. 30, 1940, gage height, 13.8 ft (4.206 m), from rating curve extended above 4,700 ft^3/s (133 m^3/s) on basis of slope-area measurements at gage heights 9.9 and 13.2 ft (3.018 and 4.023 m); minimum, 88 ft^3/s (2.49 m^3/s) Oct. 8, 12, 13, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,400 ft^3/s (96.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 2	0900	*10,900	309	*7.52	2.292
Nov. 25	unknown	8,450	239	6.5	1.98
Mar. 17	2130	5,320	151	5.05	1.539
Mar. 21	0815	7,110	201	5.91	1.801
Apr. 14	1130	5,120	145	4.95	1.509

Minimum discharge, 170 ft^3/s (4.81 m^3/s) Sept. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	692	1280	685	710	506	1460	960	779	550	344	280
2	1250	5370	1210	655	670	508	1370	935	743	545	398	285
3	1130	2180	1160	622	664	464	1300	914	709	518	307	312
4	1120	1430	1110	649	644	499	1270	894	689	494	290	275
5	1250	1210	1070	647	622	748	1190	886	662	486	290	240
6	1070	1090	1040	591	646	746	1140	864	650	463	275	255
7	1000	1020	1000	579	611	665	1120	836	650	449	280	255
8	947	960	952	638	599	2160	1550	832	619	442	275	217
9	921	910	913	650	652	1430	1850	801	587	424	265	204
10	895	1270	895	649	713	1060	1390	782	566	410	270	217
11	870	1210	866	778	646	913	1250	770	550	406	265	226
12	863	1100	850	1220	621	885	1430	754	541	389	260	201
13	842	1000	873	875	599	1140	1720	738	537	378	255	190
14	826	920	876	1040	587	1050	4240	730	528	368	245	185
15	820	880	809	925	594	930	2580	721	506	371	245	178
16	805	870	780	814	729	873	1950	703	487	364	250	171
17	800	820	757	843	681	2190	1670	1080	510	350	255	176
18	790	784	732	1340	614	2690	1540	1840	665	340	245	201
19	780	766	723	1240	593	1600	1450	1050	616	333	329	193
20	776	739	708	992	593	1580	1370	1100	539	326	318	220
21	765	721	679	887	587	4220	1310	1090	505	319	286	251
22	760	703	673	902	593	2310	1240	947	471	313	264	197
23	840	694	663	1190	576	1820	1200	1580	462	393	288	184
24	811	1930	745	961	551	1910	1150	1430	1840	413	271	188
25	750	4600	947	875	532	1820	1110	1170	1480	361	255	471
26	740	4200	739	815	520	1560	1130	1020	967	348	235	358
27	735	2700	690	780	508	1430	1120	924	799	351	226	240
28	730	1700	661	748	505	1890	1050	826	702	423	212	267
29	757	1450	644	720	498	2170	1020	839	646	357	217	788
30	912	1350	676	732	---	1830	989	1020	606	324	235	731
31	746	---	708	802	---	1620	---	824	---	310	318	---
TOTAL	27861	45269	26429	25844	17658	45217	44159	29860	20611	12318	8468	8156
MEAN	899	1509	853	834	609	1459	1472	963	687	397	273	272
MAX	1560	5370	1280	1340	729	4220	4240	1840	1840	550	398	788
MIN	730	692	644	579	498	464	989	703	462	310	212	171
CFSM	4.34	7.29	4.12	4.03	2.94	7.05	7.11	4.65	3.32	1.92	1.32	1.31
IN.	5.01	8.14	4.75	4.64	3.17	8.13	7.94	5.37	3.70	2.21	1.52	1.47

CAL YR 1979 TOTAL 401456 MEAN 1100 MAX 8800 MIN 357 CFSM 5.31 IN 72.15
WTR YR 1980 TOTAL 311850 MEAN 852 MAX 5370 MIN 171 CFSM 4.12 IN 56.04

02185200 LITTLE RIVER NEAR WALHALLA, S.C.

LOCATION.--Lat 34°50'11", long 82°58'48", Oconee County, Hydrologic Unit 03060101, on downstream side of bridge on State Road 24, 0.5 mi (0.8 km) downstream from Oconee Creek, 3.5 mi (5.6 km) south of Salem and 6.5 mi (10.5 km) northeast of Walhalla.

DRAINAGE AREA.--72.0 mi^2 (186.5 km^2).

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 807.63 ft (246.166 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--13 years, 198 ft^3/s (5.607 m^3/s), 37.34 in/yr (948 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,400 ft^3/s (408 m^3/s) June 4, 1967, gage height, 12.29 ft (3.746 m); minimum, 15 ft^3/s (0.42 m^3/s) July 11-20, Oct. 3-8, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,500 ft^3/s (42.5 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 2	0830	*4,750	135	*7.22	2.201	Mar. 21	0400	4,140	117	6.68	2.036
Nov. 26	0115	2,060	58.3	4.55	1.387	Apr. 14	0445	2,040	57.8	4.52	1.378
Mar. 17	1730	2900	82.1	5.47	1.667						

Minimum daily, 53 ft^3/s (1.50 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	377	188	301	292	255	178	427	282	242	161	100	74
2	303	2700	292	263	244	174	393	276	228	155	122	74
3	263	685	279	210	236	171	362	270	219	151	105	77
4	278	449	275	225	232	178	350	266	211	138	98	74
5	283	347	267	229	225	275	329	263	203	132	95	77
6	248	297	263	217	232	244	309	258	201	128	89	74
7	226	272	259	213	225	221	309	254	202	125	89	89
8	213	257	251	221	221	917	406	255	195	119	86	72
9	206	247	251	217	236	403	451	247	186	128	83	66
10	201	295	251	213	271	284	378	241	183	125	80	72
11	193	297	247	284	263	244	352	236	180	125	83	72
12	189	281	247	336	247	251	414	230	176	119	80	66
13	185	263	251	267	236	363	657	224	174	117	77	62
14	177	247	247	354	232	301	1410	222	160	138	74	59
15	176	229	225	296	229	263	624	218	152	128	69	57
16	174	221	213	267	244	247	495	215	151	122	83	53
17	172	215	206	279	229	1170	435	292	157	125	98	62
18	169	218	202	649	199	732	407	425	206	114	80	80
19	168	222	202	417	195	394	390	274	188	108	80	66
20	168	221	199	332	195	486	375	379	174	103	92	86
21	166	218	195	288	191	2050	360	338	161	103	100	89
22	163	218	195	309	191	605	345	279	158	105	95	72
23	180	222	195	354	191	457	336	726	155	125	119	69
24	166	416	221	292	181	522	322	497	367	128	95	72
25	161	567	244	275	178	472	313	357	394	155	86	240
26	158	1030	213	263	171	402	314	304	263	117	80	145
27	155	475	206	259	174	370	320	274	217	114	74	180
28	154	394	199	251	174	740	302	257	191	135	72	119
29	168	341	195	244	171	650	295	258	178	114	69	417
30	243	314	221	244	---	550	287	282	171	108	69	403
31	204	---	284	275	---	484	---	253	---	103	74	---
TOTAL	6287	12346	7296	8835	6268	14798	12467	9152	6043	3868	2696	3138
MEAN	203	412	235	285	216	477	416	295	201	125	87.0	105
MAX	377	2700	301	649	271	2050	1410	726	394	161	122	417
MIN	154	188	195	210	171	171	287	215	151	103	69	53
CFSM	2.82	5.72	3.26	3.96	3.00	6.63	5.78	4.10	2.79	1.74	1.21	1.46
IN.	3.25	6.38	3.77	4.56	3.24	7.65	6.44	4.73	3.12	2.00	1.39	1.62

CAL YR 1979 TOTAL 104539 MEAN 286 MAX 2700 MIN 100 CFSM 3.97 IN 54.01
WTR YR 1980 TOTAL 93194 MEAN 255 MAX 2700 MIN 53 CFSM 3.54 IN 48.15

02187250 HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County (Ga.) - Anderson County (S.C.), Hydrologic Unit 03060103, Ga.-S.C. State line, in right spillway elevator tower of dam on Savannah River, 0.9 mi (1.4 km) upstream from Big Generostee Creek, 6.4 mi (10.3 km) east of Hartwell, and at mile 305.0 (490.7 km).

DRAINAGE AREA.--2,088 mi^2 (5,408 km^2).

PERIOD OF RECORD.--October 1959 to September 1961 (elevations and contents at end of month), October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1961, recording or nonrecording gage at several sites near dam at same datum.

REMARKS.--Lake is formed by concrete dam with earth embankments at each end; dam completed in 1961. Storage began in February 1961. Usable capacity, 74,430,000,000 ft^3 (2,108,000,000 m^3) between elevations 625.0 ft (190.50 m) (normal limit of drawdown) and 665 ft (202.7 m) (top of spillway gates). Dead storage below 625.0 ft (190.50 m), 49,400,000,000 ft^3 (1,339,000,000 m^3). Figures given herein represent usable contents. Elevation of spillway crest, 630.0 ft (192.02 m). Water is used for flood control, generation of power, and in the interest of navigation below Augusta.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 665.47 ft (202.835 m) Apr. 8, 1964; minimum, 626.70 ft (191.018 m) Oct. 16, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 664.44 ft (202.521 m) Apr. 2; minimum, 654.81 ft (199.586 m) Sept. 18.

Capacity table (elevation, in feet and meters) and
usable contents (in billions of cubic feet and million of cubic meters)
(Computed from table prepared by Corps of Engineers)

655.0 ft (199.64 m)	50.02 ft^3 (1,417.0 m^3)
660.0 ft (201.17 m)	61.66 ft^3 (1,746.0 m^3)
665.0 ft (202.69 m)	74.43 ft^3 (2,108.0 m^3)

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	660.23	659.03	659.56	657.71	658.98	658.47	664.40	662.05	662.73	660.73	659.33	656.61
2	660.51	660.18	659.69	657.50	659.05	658.43	664.17	661.95	662.65	660.79	659.33	656.48
3	660.77	660.71	659.37	657.36	659.14	658.23	663.92	662.08	662.56	660.65	659.36	656.32
4	660.95	660.89	659.05	657.80	658.96	658.26	663.54	662.17	662.35	660.49	659.36	656.17
5	660.83	660.70	658.72	658.12	658.76	658.43	663.09	662.05	662.03	660.57	659.22	655.95
6	660.89	660.71	658.42	658.29	658.63	658.42	662.91	661.96	661.71	660.43	659.13	655.96
7	660.97	660.68	658.08	658.15	658.42	658.64	662.66	661.95	661.74	660.34	658.97	655.95
8	660.86	660.75	658.17	658.05	658.22	659.52	662.64	661.84	661.83	660.40	658.67	655.75
9	660.74	660.52	658.26	657.93	658.39	659.85	662.54	661.76	661.45	660.47	658.70	655.72
10	660.59	660.90	658.11	657.87	658.51	659.86	662.48	661.85	661.14	660.26	658.73	655.62
11	660.40	661.23	657.94	657.89	658.30	659.90	662.20	661.95	660.91	660.27	658.54	655.56
12	660.29	661.16	657.78	658.15	658.12	660.49	662.15	661.93	660.68	660.19	658.41	655.45
13	660.30	660.95	657.61	658.44	657.95	660.73	662.54	661.93	660.48	660.07	658.14	655.34
14	660.41	660.63	657.47	658.36	657.88	660.89	663.19	662.04	660.57	659.92	658.03	655.31
15	660.31	660.35	657.59	658.17	657.81	660.97	663.37	662.04	660.64	659.83	657.97	655.12
16	660.20	660.15	657.70	657.97	657.97	661.11	663.38	661.96	660.68	659.73	657.99	654.95
17	660.05	660.33	657.49	657.88	658.08	661.55	663.10	662.29	660.60	659.74	657.97	654.90
18	659.90	660.44	657.35	658.24	658.02	661.93	662.79	662.52	660.55	659.64	657.79	654.86
19	659.70	660.02	657.18	658.62	657.97	662.11	662.57	662.69	660.48	659.64	657.65	654.88
20	659.81	659.59	657.07	658.82	657.89	662.35	662.52	663.13	660.33	659.67	657.50	655.07
21	659.89	659.25	656.93	658.75	657.94	662.84	662.18	663.04	660.37	659.62	657.34	655.25
22	659.66	659.14	657.04	658.75	657.85	662.98	661.90	662.90	660.43	659.57	657.16	655.22
23	659.63	658.91	657.14	658.73	657.80	663.19	661.45	663.46	660.69	659.64	657.17	655.13
24	659.54	659.29	657.20	658.67	657.77	663.25	661.29	663.45	660.87	659.71	657.15	654.94
25	659.38	660.02	657.27	658.55	657.86	663.00	661.47	663.43	660.88	659.67	656.97	654.99
26	659.18	660.50	657.12	658.71	658.02	662.94	661.63	663.19	660.76	659.72	656.93	654.88
27	659.26	660.31	657.03	658.84	658.11	662.85	661.80	662.95	660.77	659.77	656.79	654.89
28	659.33	660.08	656.94	658.79	658.10	663.59	661.75	662.81	660.86	659.75	656.64	655.15
29	659.29	659.78	657.14	658.69	658.08	663.62	661.69	662.73	660.92	659.68	656.57	655.31
30	659.25	659.47	657.40	659.06	---	664.02	661.95	662.61	660.86	659.59	656.60	655.69
31	659.15	---	657.55	659.14	---	664.30	---	662.65	---	659.48	656.62	---
MAX	660.97	661.23	659.69	659.14	659.14	664.30	664.40	663.46	662.73	660.79	659.36	656.61
MIN	659.15	658.91	656.93	657.36	657.77	658.23	661.29	661.76	660.33	659.48	656.57	654.86
(+)	59.61	60.30	55.83	59.58	57.06	72.57	66.50	68.78	63.78	60.40	53.68	51.56
(*)	-848	301	-1690	1400	-1006	5791	-2342	665	-1736	-1262	-2509	-818

CAL YR 1979 * 268 MAX 663.74 MIN 654.02
WTR YR 1980 * -326 MAX 664.40 MIN 654.86

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, Hydrologic Unit 03060103, on left bank at downstream side of bridge on State Highway 184, 0.5 mi (0.8 km) upstream from Little Generostee Creek, 5.8 mi (9.3 km) southwest of Iva, and at mile 296.5 (477.1 km).

DRAINAGE AREA.--2,231 mi^2 (5,778 km^2).

PERIOD OF RECORD.--October 1949 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 432.26 ft (131.753 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see sta 02187250).

AVERAGE DISCHARGE.--31 years, 4,557 ft^3/s (129 m^3/s), 27.74 in/yr (705 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,400 ft^3/s (1.540 m^3/s) Mar. 12, 1952, gage height, 12.74 ft (3.883 m); minimum, 75 ft^3/s (2.12 m^3/s) Oct. 24, 1961; minimum daily, 78 ft^3/s (2.21 m^3/s) Oct. 23, 24, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,500 ft^3/s (864 m^3/s) Mar. 28, gage height, 8.36 ft (2.548 m); minimum, 207 ft^3/s (5.86 m^3/s) Oct. 29; minimum daily, 207 ft^3/s (5.86 m^3/s) Oct. 28, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5100	6110	3450	479	13200	1060	5670	5850	649	4530	7040	1870
2	4900	6150	430	5630	3350	2210	14000	5780	9290	5670	1540	4900
3	5960	1800	10300	7280	504	8590	15800	1920	11800	5920	859	4470
4	7240	307	12700	8630	7120	2650	15500	348	11700	4700	2720	4250
5	8850	5780	12700	2700	8850	3090	19300	3880	11700	1440	4900	7610
6	2110	8630	12800	280	8810	3540	9570	5000	11400	2140	4830	1330
7	293	9120	12800	4470	8720	2200	14000	3910	3850	6530	7000	1020
8	5170	9160	2740	6300	8720	3510	14500	6450	574	6180	8760	5450
9	6800	9160	260	6560	3290	2180	14400	5960	9290	4900	1560	1600
10	6840	2240	5060	6490	1060	2550	14600	1560	10600	6800	848	848
11	6600	710	7080	6490	6760	3190	14600	293	8890	8630	4530	710
12	7040	6760	7040	2180	8120	4830	14500	2740	5590	4600	4860	689
13	1850	11700	7000	392	8170	10100	5810	4030	6410	3040	6530	741
14	235	12700	6960	6680	6760	4860	16500	3680	2120	4830	4190	871
15	6200	12400	2000	11000	4530	1330	20700	3350	300	3790	4090	997
16	6880	12600	229	11000	1940	592	19900	3740	2510	4280	1590	1400
17	7080	2630	5480	12000	446	3770	19900	1870	5520	2020	1080	1540
18	6840	248	6000	12000	3570	5700	19900	487	3620	2840	4730	1310
19	6880	11300	5590	12000	4900	5200	16400	6260	4310	1450	4730	1280
20	1890	13700	5590	8000	4860	5670	7080	8940	6220	882	4760	1220
21	229	13700	5630	7410	4860	16400	16000	14000	1850	2050	4730	893
22	7320	6370	1870	6450	4860	14500	17500	12800	286	2590	4700	679
23	5240	8680	224	6560	1630	2310	17500	12400	1960	951	1570	1220
24	4500	2270	1500	6300	430	14700	16600	10700	3190	928	1040	1900
25	6640	241	1470	6180	1500	13600	8330	6300	6680	1590	4700	2410
26	4960	4030	5000	1890	4250	11600	1080	11000	6560	1310	2590	2700
27	1560	13400	6300	430	3210	11300	438	11800	8550	905	3740	2720
28	207	12800	6220	4530	2720	17500	4190	12000	1900	1620	3290	1740
29	4530	12800	1430	6220	3480	19400	5890	11600	300	2650	2450	1150
30	6110	13000	248	6150	---	1540	5450	11400	2390	6110	1500	1570
31	6110	---	1570	12100	---	1310	---	4150	---	5670	1020	---
TOTAL	153164	230546	158271	195281	140620	200982	386408	194198	159989	111546	112477	61088
MEAN	4941	7685	5106	6299	4849	6483	12880	6264	5333	3598	3628	2036
MAX	8850	13700	12800	12100	13200	19400	20700	14000	11800	8630	8760	7610
MIN	207	241	224	280	430	592	438	293	286	882	848	679

CAL YR 1979 TOTAL 2368666 MEAN 6489 MAX 24000 MIN 167
WTR YR 1980 TOTAL 2104570 MEAN 5750 MAX 20700 MIN 207

02189000 SAVANNAH RIVER NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, Hydrologic Unit 03060103, on left bank 150 ft (46 m) upstream from bridge on State Highway 72, 1.0 mi (1.6 km) downstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Rocky River, 3.0 mi (4.8 km) southwest of Calhoun Falls, and at mile 279.7 (450.0 km).

DRAINAGE AREA.--2,876 mi^2 (7,449 km^2).

PERIOD OF RECORD.--August 1896 to August 1898, March 1899 to December 1900, January to December 1903, March 1930 to July 1932, April 1938 to current year. Published as "at Calhoun Falls" 1897-99. Records for January 1901 to December 1902, published in WSP 65, 75, and 83 have been found unreliable, and should not be used. Gage-height records collected at original site 1.0 mi (1.6 km) upstream during 1899-1928 and at present site since 1928 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 363.53 ft (110.804 m) National Geodetic Vertical Datum of 1929. Prior to July 1, 1928, nonrecording gage at railroad bridge 1.0 mi (1.6 km) upstream at altitude 369.0 ft (112.47 m).

REMARKS.--Records good. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see sta 02187250).

AVERAGE DISCHARGE.--44 years (1896-97, 1899-1900, 1930-31, 1938-79), 5,320 ft^3/s (150.7 m^3/s), 25.12 in/yr (638 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 96,500 ft^3/s (2,730 m^3/s), Aug. 13, 1940, gage height, 11.52 ft (3.511 m), from rating curve extended above 50,000 ft^3/s (1,420 m^3/s) by velocity-area studies; minimum daily, 300 ft^3/s (8.50 m^3/s) Nov. 5, 196.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 25, 1908 reached a stage of 28.2 ft (8.60 m) at original site and datum, from records of National Weather Service, discharge, 144,000 ft^3/s (4,080 m^3/s), from rating curve extended above 14,000 ft^3/s (396 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.30 ft (3.139 m), Mar. 28; minimum gage height, 0.41 ft (0.125 m) Oct. 28.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.55	3.22	3.21	1.20	5.14	2.14	3.32	3.43	2.62	4.24	4.95	2.47
2	2.09	3.25	1.24	2.11	3.35	---	5.41	3.61	4.41	4.55	3.52	3.72
3	2.36	2.38	2.70	3.76	1.42	---	5.86	2.55	6.51	4.89	2.23	4.26
4	2.79	.82	4.66	4.01	2.78	2.74	5.74	1.07	6.43	4.41	2.54	3.73
5	3.07	1.86	4.67	2.85	4.29	2.71	6.40	2.23	6.41	3.50	4.00	5.33
6	2.32	3.74	4.68	.97	4.38	3.18	4.85	3.78	6.42	2.23	4.32	3.34
7	.85	3.92	4.69	2.25	4.30	2.72	5.41	2.93	5.06	4.81	4.80	2.19
8	1.59	3.92	2.78	3.68	4.29	4.05	5.75	3.38	2.59	4.80	5.54	3.25
9	2.86	3.93	.86	4.06	3.25	3.44	5.73	3.85	4.32	4.49	3.57	4.08
10	2.86	2.65	2.05	4.13	2.00	2.81	5.66	2.34	6.25	4.76	2.24	3.56
11	2.85	1.15	3.63	3.76	3.04	3.14	5.64	.96	5.56	5.36	3.02	3.26
12	2.87	2.57	3.66	2.57	4.17	3.38	5.60	1.76	4.55	4.98	4.33	3.47
13	2.10	4.26	3.66	1.21	4.14	5.09	3.99	2.63	4.92	3.08	4.79	3.33
14	.77	4.67	3.64	2.82	4.11	4.57	6.48	2.92	4.19	4.68	4.29	3.23
15	1.60	4.64	2.46	4.45	2.95	2.21	7.35	2.69	1.97	4.02	4.03	3.17
16	2.90	4.65	.81	4.32	2.20	1.75	6.75	2.87	2.15	4.01	3.37	4.01
17	2.96	2.98	2.30	4.64	1.19	2.29	6.47	2.81	4.30	3.42	2.24	4.02
18	2.97	.92	3.46	5.71	2.41	4.13	6.45	1.41	3.72	3.44	3.18	3.45
19	2.98	2.94	3.33	4.13	3.07	3.88	5.87	3.01	4.14	3.14	4.22	3.46
20	2.08	4.85	3.34	2.12	3.07	4.08	4.28	4.53	4.85	2.25	4.28	3.04
21	.59	4.85	3.34	2.64	3.07	7.01	5.59	6.01	3.64	2.37	4.30	2.14
22	1.96	3.46	2.25	3.84	3.07	6.46	7.60	5.39	1.84	3.50	4.29	2.74
23	3.18	3.61	.80	3.94	1.82	3.51	6.02	4.95	2.29	3.01	3.51	4.36
24	2.59	2.81	1.23	3.85	1.01	4.85	6.02	5.15	3.86	1.66	2.12	4.44
25	2.77	.84	1.77	3.81	1.28	5.93	4.72	4.05	5.01	2.80	3.14	4.02
26	3.02	1.21	2.61	2.77	2.64	5.32	2.07	4.55	5.19	2.84	3.52	3.93
27	2.37	4.85	3.56	1.34	2.79	5.25	1.17	4.89	5.54	2.21	3.55	3.21
28	.61	4.70	3.56	2.53	2.55	6.91	2.30	5.02	3.92	2.24	3.90	1.65
29	1.56	4.68	2.27	3.81	2.74	8.44	3.65	4.99	2.10	2.79	3.21	2.88
30	3.22	4.76	.86	3.80	---	3.63	3.64	5.10	2.45	4.16	3.07	4.15
31	3.21	---	1.60	4.68	---	2.99	---	4.83	---	4.81	2.13	---
MEAN	2.31	3.30	2.76	3.28	2.98	---	5.19	3.52	4.24	3.65	3.62	3.46
MAX	3.22	4.85	4.69	5.71	5.14	---	7.60	6.01	6.51	5.36	5.54	5.33
MIN	.59	.82	.80	.97	1.01	---	1.17	.96	1.84	1.66	2.12	1.65

02194500 CLARK HILL LAKE NEAR CLARKS HILL, S.C.

LOCATION.--Lat 33°39'40", long 82°12'00", Columbia County (Ga.) - McCormick County (S.C.), Hydrologic Unit 03060103, Ga.-S.C. State Line, in left spillway elevator tower of dam on Savannah River, 1.6 mi (2.6 km) west of Clarks Hill, 3.7 mi (6.0 km) upstream from Pickens Creek, and at mile 237.7 (382.5 km).

DRAINAGE AREA.--6,150 mi² (15,900 km²), approximately.

PERIOD OF RECORD.--October 1951 to September 1952 (elevations and contents at end of month), October 1952 to current year.

REVISED RECORDS.--WSP 1703: 1953.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by concrete dam with earth dam at each end; dam completed in 1952. Storage began in December 1951. Usable capacity, 75,360,000,000 ft³ (2,134,000,000 m³) between elevations 305.0 ft (92.96 m) (normal limit of drawdown) and 335.0 ft (102.11 m) (top of spillway gates). Dead storage below 305.0 ft (92.96 m), 50,960,000,000 ft³ (1,443,000,000 m³). Figures given herein represent usable contents. Elevation of spillway crest, 300.0 ft (91.44 m). Water is used for flood control, generation of power, and navigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 336.72 ft (102.632 m) Apr. 9, 1964; minimum, 296.48 ft (90.367 m) Feb. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 334.86 ft (102.065 m) Mar. 31; minimum 325.92 ft (99.340 m) Jan. 2.

Capacity table (elevation, in feet and meters) and
usable contents (in billions of cubic feet and millions of cubic meters)
(Computed from table prepared by Corps of Engineers)

315.0 ft	(96.01 m)	18.73 ft³	(530.4 m³)
320.0 ft	(97.54 m)	30.06 ft³	(851.3 m³)
325.0 ft	(99.06 m)	43.12 ft³	(1,221.0 m³)
330.0 ft	(100.58 m)	58.37 ft³	(1,653.0 m³)
336.0 ft	(102.41 m)	78.84 ft³	(2,233.0 m3)

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	329.83	328.83	329.00	326.06	328.15	328.11	334.20	330.75	332.61	330.62	329.56	328.21
2	329.79	329.02	328.82	325.99	328.15	327.95	333.83	330.76	332.25	330.60	329.63	328.06
3	329.71	329.15	328.44	326.10	328.02	327.98	333.54	330.79	332.10	330.63	329.56	328.09
4	329.78	329.27	328.38	326.32	327.76	327.99	333.26	330.72	331.94	330.59	329.39	328.10
5	329.79	329.24	328.30	326.44	327.69	328.20	332.89	330.57	331.75	330.66	329.31	328.09
6	329.84	329.29	328.30	326.38	327.53	328.40	332.45	330.70	331.62	330.61	329.32	328.13
7	329.74	329.34	328.31	326.35	327.37	328.56	332.01	330.71	331.58	330.59	329.36	328.08
8	329.57	329.40	328.31	326.54	327.36	329.54	331.68	330.74	331.43	330.66	329.39	327.87
9	329.56	329.44	328.13	326.72	327.57	330.48	331.35	330.86	330.99	330.69	329.37	327.89
10	329.58	329.50	327.83	326.90	327.85	331.07	330.99	330.88	330.80	330.68	329.25	327.84
11	329.54	329.62	327.69	327.03	327.80	330.88	330.79	330.79	330.54	330.73	329.04	327.78
12	329.51	329.58	327.59	327.07	327.85	331.02	330.74	330.73	330.30	330.86	329.02	327.67
13	329.47	329.54	327.46	327.11	327.82	331.59	330.62	330.78	330.23	330.82	329.03	327.62
14	329.33	329.46	327.34	327.08	327.85	332.15	330.80	330.74	330.23	330.74	329.13	327.63
15	329.18	329.46	327.27	327.26	327.75	332.04	331.27	330.75	330.11	330.73	329.08	327.39
16	329.17	329.47	327.14	327.39	327.88	331.70	331.43	330.72	329.97	330.65	329.15	327.33
17	329.18	329.50	326.83	327.86	327.87	331.35	331.43	330.78	329.93	330.65	328.99	327.47
18	329.17	329.40	326.71	329.14	327.85	331.39	331.47	330.76	329.99	330.57	328.82	327.35
19	329.16	329.20	326.58	329.98	327.92	331.50	331.40	330.85	330.01	330.53	328.85	327.29
20	329.13	329.24	326.46	330.43	327.97	331.49	331.23	331.13	330.04	330.46	328.86	327.21
21	329.03	329.28	326.39	330.18	328.03	332.03	331.03	331.76	330.12	330.32	328.88	327.14
22	328.88	329.20	326.36	329.96	328.15	332.59	330.94	332.19	330.06	330.25	328.88	326.96
23	328.93	329.20	326.24	329.84	328.19	332.50	330.85	332.33	329.94	330.26	328.90	326.96
24	328.86	329.29	326.16	329.62	328.15	332.38	330.90	332.66	330.02	330.11	328.83	327.01
25	328.83	329.27	326.08	329.37	328.21	332.34	330.99	332.94	330.28	330.00	328.66	327.06
26	328.87	328.90	326.02	329.24	328.09	332.21	330.94	332.79	330.57	329.90	328.72	327.02
27	328.87	328.97	326.11	329.06	328.11	331.98	330.89	332.70	330.77	329.86	328.60	326.95
28	328.80	329.06	326.16	328.68	328.13	332.82	330.73	332.61	330.92	329.71	328.55	327.07
29	328.69	329.01	326.18	328.45	328.11	334.16	330.77	332.55	330.87	329.59	328.47	327.10
30	328.74	329.00	326.20	328.21	---	334.82	330.76	332.45	330.69	329.51	328.40	327.30
31	328.79	---	326.12	328.10	---	334.67	---	332.66	---	329.53	328.34	---
MAX	329.84	329.62	329.00	330.43	328.21	334.82	334.20	332.94	332.61	330.86	329.63	328.21
MIN	328.69	328.83	326.02	325.99	327.36	327.95	330.62	330.57	329.93	329.51	328.34	326.95
(+)	54.68	55.32	46.54	52.58	52.61	74.24	60.95	67.41	60.71	56.94	53.31	50.14
(*)	-1389	247	-3278	2255	12	8076	-5127	2412	-2585	-1408	-1355	-1223

CAL YR 1979 * 411 MAX 334.32 MIN 321.18
WTR YR 1980 * -261 MAX 334.82 MIN 325.99

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, Hydrologic Unit 03060106, at New Savannah Bluff lock and dam, 0.2 mi (0.3 km) upstream from Butler Creek, 12.0 mi (19.3 km) downstream from Augusta, and at mile 187.4 (301.5 km).

DRAINAGE AREA.--7,508 mi^2 (19,446 km^2), including that of Butler Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharges only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952 and at New Savannah Bluff lock and dam sites since 1937 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932 (M).

GAGE.--Water-stage recorder. Datum of gage is 96.58 ft (29.438 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Oct. 1, 1883 to Dec. 31, 1891, Jan. 1, 1896, to Dec. 31, 1906, Jan. 1, 1925, to Sept. 30, 1932, nonrecording gage at Fifth Street Bridge at datum 102.06 ft (31.108 m) NGVD (levels by Southeastern Engineering Co.). Oct. 1, 1932, to Sept. 30, 1936, recording gage at Thirteenth Street bridge at datum 104.56 ft (31.870 m) NGVD (levels by Corps of Engineers). Oct. 1, 1936, to Nov. 18, 1948, recording gage at site 0.2 mi (0.3 km) downstream from present site and at present datum.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500) and by other powerplants above station.

AVERAGE DISCHARGE.--73 years, 10,300 ft^3/s (292 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 350,000 ft^3/s (9,910 m^3/s) Oct. 3, 1929; maximum gage height, 46.3 ft (14.11 m) Sept. 27, 1929 (at site and datum then in use); minimum discharge, 640 ft^3/s (18.4 m^3/s) Sept. 24, 1939, from rating curve extended below 1,400 ft^3/s (39.6 m^3/s); minimum daily, 1,040 ft^3/s (29.5 m^3/s) Oct. 2, 1927.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred in 1796, discharge 360,000 ft^3/s (10,200 m^3/s) gage height, 40 ft (12.2 m), marked by local residents (at site and datum of Fifth Street gage), by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,200 ft^3/s (1,340 m^3/s) Mar. 31, gage height, 22.33 ft (6.806 m); minimum daily, 5,970 ft^3/s (169 m^3/s) Aug. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8230	6860	13300	7410	21000	7990	40900	10500	8420	9030	7880	6410
2	9370	7030	11200	7680	18200	8520	37000	10300	9000	9080	7100	6280
3	9400	7350	11400	8680	13800	12800	36300	9670	16800	9430	6690	6940
4	9450	7940	16100	8030	13000	10200	36600	8410	19100	9510	6110	7250
5	9870	6700	15600	7990	15300	7930	36500	7980	19500	8430	6230	7120
6	9640	6930	15500	7320	17200	7670	35000	9970	19100	7350	7000	8660
7	9350	8700	15200	6880	18500	8560	34900	8310	17200	6660	7310	6950
8	9120	9030	13400	7120	16600	10100	35300	6810	14300	6600	7880	6280
9	8840	9110	10900	7730	14300	15400	35800	7970	12200	6840	9540	7510
10	8690	9000	10400	11000	13400	17100	36200	7760	18300	9380	8250	7210
11	9420	9230	13400	10500	14900	15000	32000	7280	19100	8750	7700	6820
12	9330	9220	13600	8690	17100	23700	26600	6970	18800	8170	8980	6850
13	9080	10500	13200	7780	16100	36400	24100	7560	15400	8150	8420	6960
14	8860	15600	13500	8440	15200	39000	23900	7280	12800	7480	7580	6730
15	8350	16900	12900	9990	13000	26400	28600	7230	9730	8790	7220	6200
16	8900	13500	10600	10400	11300	23000	28100	7140	7410	8640	7280	8500
17	8730	12400	9190	10200	10000	24000	27300	7200	8360	7760	6800	8760
18	8170	10000	12900	11700	9260	32200	26300	7450	8910	7530	6510	6580
19	8380	10100	13000	15100	9550	32700	25000	9070	8050	7200	7570	6550
20	8640	12700	12300	15500	9100	24800	25100	9330	8040	6820	7830	7050
21	8360	13600	11700	12900	8860	23700	23400	9770	8250	6500	6910	6910
22	7890	13400	10000	19600	8860	28500	25200	11300	7620	6370	6620	6450
23	8520	11900	7730	22900	8620	25100	25400	14300	6860	6750	7030	6460
24	8320	10500	7370	24200	8510	27600	22400	14900	6750	7120	6700	7050
25	7620	7850	8080	23400	8890	28800	18200	13400	7770	7170	6060	7080
26	7480	9280	8510	21900	8430	29800	15000	12800	7790	7240	6830	7290
27	7190	13800	8540	16800	8090	29300	11700	18100	7960	7180	6250	7880
28	6920	15500	8310	15500	8020	30200	9020	19100	9030	6420	5970	7350
29	7080	15000	7830	20400	7910	36200	10100	18700	7520	6570	6750	7290
30	7410	14300	7310	20800	---	43300	10500	17600	7520	7300	7350	7460
31	6600	---	7240	21500	---	46000	---	14900	---	9110	6720	---
TOTAL	263210	323930	350210	408040	363000	731970	802420	329060	347590	239330	223070	212830
MEAN	8491	10800	11300	13160	12520	23610	26750	10610	11590	7720	7196	7094
MAX	9870	16900	16100	24200	21000	46000	40900	19100	19500	9510	9540	8760
MIN	6600	6700	7240	6880	7910	7670	9020	6810	6750	6370	5970	6200

CAL YR 1979 TOTAL 4275310 MEAN 11710 MAX 32500 MIN 5940
WTR YR 1980 TOTAL 4594660 MEAN 12550 MAX 46000 MIN 5970

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1949 to September 1950, February 1968 to September 1972, July 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Servo Programmer since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.0°C July 30, 1974, July 8-9, 20-22, Aug. 4-6, 23, 1980; minimum, 4.5°C Feb. 19, 20, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 26.0°C July 8-9, 20-22, Aug. 4-6, 23; minimum, 6.5°C Feb. 11, Mar. 3.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.5	22.5	23.0	---	---	---	15.0	14.5	15.0	11.5	11.0	11.5
2	23.5	22.5	23.0	---	---	---	14.5	14.5	14.5	11.0	11.0	11.0
3	23.0	22.0	22.5	---	---	---	14.0	13.5	13.5	11.0	10.5	11.0
4	22.5	21.5	22.0	---	---	---	14.5	13.5	14.0	11.0	11.0	11.0
5	22.0	21.5	21.5	---	---	---	14.5	14.0	14.5	11.0	10.0	10.5
6	21.0	20.5	21.0	---	---	---	15.0	14.5	14.5	10.0	9.5	10.0
7	21.5	20.5	21.0	---	---	---	15.0	14.5	14.5	9.5	9.0	9.5
8	21.5	20.5	21.0	---	---	---	14.5	14.0	14.5	10.0	9.5	9.5
9	22.0	20.5	21.0	---	---	---	14.0	14.0	14.0	11.0	10.0	10.5
10	22.0	21.0	21.5	---	---	---	14.0	13.5	13.5	11.0	10.5	10.5
11	21.0	20.5	21.0	---	---	---	14.0	13.5	14.0	10.5	10.0	10.5
12	21.0	20.0	20.5	---	---	---	14.5	14.0	14.0	10.5	10.0	10.5
13	21.5	20.0	21.0	---	---	---	15.0	14.5	14.5	10.5	10.0	10.0
14	21.5	20.0	20.5	---	---	---	15.0	14.0	14.5	9.5	9.0	9.5
15	20.5	19.5	20.0	---	---	---	14.5	13.0	13.5	10.0	9.0	9.5
16	20.5	19.5	20.0	---	---	---	13.0	13.0	13.0	10.5	10.0	10.0
17	21.0	20.0	20.5	---	---	---	13.0	12.5	12.5	10.5	10.5	10.5
18	21.5	20.5	21.0	---	---	---	12.5	12.5	12.5	11.0	10.5	10.5
19	22.0	21.0	21.5	---	---	---	12.5	12.0	12.5	11.0	10.0	10.5
20	22.5	21.0	21.5	---	---	---	13.0	12.5	12.5	11.0	10.5	10.5
21	22.5	21.5	22.0	---	---	---	12.5	12.5	12.5	10.5	10.0	10.5
22	22.5	21.5	22.0	---	---	---	12.5	12.0	12.5	10.0	9.5	10.0
23	22.0	21.0	21.5	---	---	---	12.5	12.5	12.5	10.0	9.5	9.5
24	21.0	20.0	20.5	---	---	---	13.0	12.5	13.0	9.5	9.0	9.0
25	20.0	19.5	20.0	---	---	---	13.0	12.5	13.0	10.0	9.5	9.5
26	20.0	19.0	19.5	---	---	---	12.5	12.0	12.0	10.0	9.5	9.5
27	19.5	19.0	19.0	---	---	---	12.0	11.5	11.5	9.5	9.5	9.5
28	20.0	19.0	19.5	17.0	16.5	17.0	12.0	11.5	12.0	9.5	9.5	9.5
29	20.0	20.0	20.0	16.5	15.0	15.5	12.0	11.5	12.0	10.0	9.5	9.5
30	---	---	---	15.0	14.5	15.0	12.0	11.5	11.5	9.5	9.0	9.5
31	---	---	---	---	---	---	11.5	11.5	11.5	9.5	8.5	9.0

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	8.0	8.5	10.5	10.0	10.5	---	---	---	16.5	15.0	16.0
2	8.5	8.0	8.0	9.5	7.5	8.5	12.0	12.0	12.0	16.5	15.5	16.0
3	8.5	8.0	8.0	7.5	6.5	7.0	12.0	11.5	12.0	17.0	16.0	16.0
4	8.5	8.0	8.0	8.5	8.0	8.0	12.5	11.5	12.0	17.5	15.5	16.5
5	8.5	8.0	8.0	9.0	8.5	9.0	13.5	12.0	12.5	18.0	16.5	17.5
6	8.5	8.0	8.0	10.0	9.0	9.5	13.5	12.0	12.5	17.5	16.5	17.0
7	8.5	8.0	8.0	10.5	10.0	10.0	13.0	12.0	12.5	18.5	16.0	17.5
8	8.5	8.0	8.0	10.5	10.0	10.5	13.0	12.5	12.5	18.5	18.0	18.0
9	8.0	8.0	8.0	12.5	10.5	11.5	13.5	12.0	12.5	18.5	17.5	17.5
10	8.0	7.5	7.5	12.5	12.0	12.0	14.0	13.0	13.0	18.0	16.5	17.0
11	7.5	6.5	7.0	12.0	10.5	11.5	14.5	13.0	14.0	18.5	17.5	18.0
12	9.0	7.5	7.5	10.0	8.5	9.5	14.0	13.5	13.5	19.0	17.5	18.0
13	8.5	7.5	8.0	9.0	8.5	8.5	14.0	13.0	13.5	19.0	18.0	18.5
14	8.5	8.0	8.0	9.0	8.0	8.5	14.5	13.5	14.0	19.0	18.0	18.5
15	8.5	8.0	8.5	10.0	9.0	9.5	14.0	13.0	13.5	19.0	18.0	18.5
16	9.0	8.5	9.0	10.5	9.5	10.0	14.5	13.5	14.0	18.5	18.0	18.5
17	9.0	8.5	9.0	10.5	10.0	10.5	14.5	13.5	14.0	18.5	18.0	18.0
18	8.5	8.5	8.5	11.5	9.5	10.5	14.5	13.5	14.0	18.0	18.0	18.0
19	8.5	8.0	8.5	12.5	10.5	11.5	14.5	13.5	14.0	18.5	17.0	18.0
20	9.0	8.0	8.5	12.5	10.5	11.0	15.0	13.5	14.5	18.0	17.0	17.5
21	9.5	8.5	9.0	12.0	10.5	11.0	15.0	14.0	14.5	18.0	17.0	17.5
22	9.5	9.0	9.5	12.0	10.5	11.0	15.5	14.0	14.5	18.5	17.0	17.5
23	10.5	9.5	10.0	12.0	11.5	11.5	15.5	14.5	15.0	17.5	15.5	16.0
24	11.5	10.5	11.0	11.5	10.5	11.0	16.0	14.5	15.5	17.0	15.5	16.0
25	12.0	11.0	11.5	11.0	10.0	10.5	16.0	15.0	15.5	17.5	16.5	17.0
26	11.0	9.5	10.5	---	---	---	17.0	15.0	15.5	18.0	17.0	17.5
27	10.0	8.5	9.0	---	---	---	16.0	15.0	16.0	17.5	15.5	16.5
28	10.0	8.5	9.5	---	---	---	17.5	16.0	16.5	17.5	16.0	16.5
29	11.0	10.0	10.5	---	---	---	16.5	15.5	16.0	17.5	16.0	17.0
30	---	---	---	---	---	---	16.0	15.5	15.5	17.5	16.5	17.0
31	---	---	---	---	---	---	---	---	---	17.5	16.5	17.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	17.5	18.5	24.5	21.0	22.5	24.5	21.0	23.0	25.0	24.5	25.0
2	21.0	18.0	20.0	22.0	20.0	21.0	24.5	21.5	23.0	25.5	24.5	25.0
3	20.0	16.5	17.5	21.5	20.0	21.0	24.5	22.0	23.0	25.5	24.5	25.0
4	18.5	16.5	17.5	21.5	20.0	20.5	26.0	24.0	25.0	25.0	23.0	24.0
5	18.5	16.5	17.5	22.5	20.0	21.0	26.0	25.0	25.5	24.5	23.0	24.0
6	18.0	16.5	17.5	23.5	20.5	22.0	26.0	24.0	25.0	24.5	22.5	24.0
7	18.5	16.5	17.5	25.5	22.5	24.0	25.5	23.0	24.5	24.5	21.5	22.5
8	19.0	17.5	18.0	26.0	24.5	25.5	25.5	22.5	24.0	25.0	23.5	24.0
9	19.5	18.5	19.0	26.0	23.0	24.5	25.0	21.5	23.0	25.0	24.0	24.5
10	18.5	17.0	17.5	24.5	20.5	22.5	22.5	21.0	22.0	24.5	21.5	22.0
11	18.5	16.5	17.5	22.5	20.5	21.5	25.5	21.5	23.0	23.0	21.5	22.0
12	18.5	17.0	17.5	24.5	21.0	22.5	25.5	22.0	23.5	23.5	21.5	22.5
13	18.5	17.0	17.5	23.5	21.5	22.5	24.5	21.5	23.0	23.5	22.0	23.0
14	19.0	18.0	18.5	25.5	22.0	23.5	25.0	21.5	23.5	24.0	22.5	23.0
15	19.5	19.5	19.5	25.5	22.5	24.0	25.5	23.0	24.0	24.5	23.0	23.5
16	22.0	19.0	20.0	24.0	20.5	22.0	25.5	23.5	24.5	25.0	22.5	24.0
17	22.0	20.5	21.5	25.0	21.5	23.0	25.0	22.5	24.0	24.0	21.5	22.5
18	21.0	19.5	20.0	24.5	21.5	23.0	25.0	23.0	24.0	23.5	21.0	22.5
19	20.5	19.0	20.0	25.0	22.0	23.5	25.0	22.5	24.0	25.0	23.5	24.0
20	21.0	19.5	20.0	26.0	24.0	25.0	25.0	21.5	23.5	24.5	23.0	24.0
21	21.5	20.0	20.5	26.0	24.0	25.0	25.5	23.0	24.0	24.0	23.0	23.5
22	21.5	20.0	21.0	26.0	24.5	25.0	25.5	24.0	25.0	24.5	23.5	24.0
23	22.0	20.5	21.0	25.5	23.0	24.0	26.0	24.5	25.0	25.0	24.5	24.5
24	22.5	21.0	21.5	23.5	22.0	22.5	25.0	23.0	24.0	25.0	24.0	24.5
25	22.5	20.5	21.5	22.0	21.0	21.5	24.0	23.5	23.5	25.0	23.5	24.5
26	21.5	20.0	21.0	23.0	21.0	22.0	24.0	22.0	23.0	25.0	24.0	24.5
27	22.0	20.5	21.0	23.0	21.0	22.5	23.5	21.5	22.5	24.5	22.5	23.5
28	23.0	20.5	22.0	25.0	22.0	23.0	24.5	23.0	24.0	23.0	21.0	21.5
29	23.0	21.0	21.5	25.0	24.0	24.5	24.5	23.5	24.0	21.0	19.5	20.0
30	25.0	22.0	23.0	25.0	21.0	23.5	24.5	22.0	23.5	20.0	19.5	19.5
31	---	---	---	24.0	21.0	22.5	25.0	22.5	23.5	---	---	---
YEAR	26.0	6.5	17.0									

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 33°23'05", long 81°37'00", Aiken County, Hydrologic Unit 03060106, on downstream side of bridge on U.S. Highway 278, 0.4 mi (0.6 km) upstream from Johnson Fork Creek, and 4.6 mi (7.4 km) southeast of New Ellenton.

DRAINAGE AREA.--87.0 mi^2 (225.3 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 120 ft (37 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 112 ft^3/s (3.172 m^3/s), 17.48 in/yr (444 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 420 ft^3/s (11.9 m^3/s) Aug. 17, 1971, gage height, 8.00 ft (2.438 m); minimum, 66 ft^3/s (1.87 m^3/s) Sept. 14, 1969.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft^3/s (7.08 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 3	0200	324	9.18	7.22	2.201	Mar. 28	2300	312	8.84	7.13	2.173
Nov. 11	1800	313	8.86	7.14	2.176	June 25	0100	270	7.65	6.79	2.070
Mar. 13	0300	*400	11.3	*7.77	2.368	Sept. 29	0900	285	8.07	6.92	2.109

Minimum discharge, 79 ft^3/s (2.24 m^3/s) Sept. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	89	97	110	127	100	149	114	112	117	98	109
2	96	130	97	89	114	103	136	114	111	118	97	106
3	89	222	97	102	110	104	138	113	109	117	95	94
4	89	115	96	107	107	105	160	113	108	116	95	91
5	140	102	97	112	105	116	137	113	107	114	93	101
6	101	99	110	103	111	125	127	112	110	111	94	102
7	90	96	117	101	114	107	125	110	110	109	101	92
8	88	94	103	101	111	165	138	113	109	108	117	93
9	86	93	100	104	145	166	160	124	106	117	148	89
10	87	95	99	101	195	124	135	115	106	146	152	89
11	88	230	98	120	137	113	128	113	105	121	114	92
12	86	210	98	108	120	176	126	112	106	114	105	89
13	85	129	99	102	113	348	134	110	108	110	103	87
14	83	114	99	136	108	200	147	110	108	122	101	86
15	83	104	98	119	106	144	130	110	107	112	101	86
16	84	105	107	106	138	129	123	109	104	109	99	83
17	84	103	101	105	123	127	122	112	107	106	109	84
18	84	101	98	135	110	198	122	122	176	104	106	88
19	84	99	98	120	106	144	122	120	152	106	108	89
20	85	98	97	108	103	133	123	144	130	104	130	93
21	86	98	97	104	102	164	120	142	134	104	105	91
22	85	97	97	105	124	138	119	132	125	103	100	90
23	89	99	98	166	134	127	117	154	119	105	99	94
24	93	101	99	123	113	138	116	179	149	112	99	98
25	89	100	116	110	106	151	115	140	237	148	97	206
26	88	111	102	120	102	129	115	135	171	118	95	177
27	87	102	99	174	101	124	117	123	143	109	93	112
28	88	100	98	132	101	225	114	117	132	108	92	134
29	88	99	97	117	100	267	115	114	125	105	91	258
30	88	97	130	112	---	261	116	112	121	102	92	199
31	88	---	128	144	---	205	---	111	---	100	92	---
TOTAL	2789	3436	3167	3596	3386	4856	3946	3762	3747	3495	3221	3302
MEAN	90.0	115	102	116	117	157	128	121	125	113	104	110
MAX	140	230	130	174	195	348	160	179	237	148	152	258
MIN	83	89	96	89	100	100	114	109	104	100	91	83
CFSM	1.03	1.32	1.17	1.33	1.35	1.81	1.47	1.39	1.44	1.30	1.20	1.26
IN.	1.19	1.47	1.35	1.54	1.45	2.08	1.64	1.61	1.60	1.49	1.38	1.41

CAL YR 1979 TOTAL 38547 MEAN 106 MAX 273 MIN 83 CFSM 1.22 IN 16.48
WTR YR 1980 TOTAL 42603 MEAN 116 MAX 348 MIN 83 CFSM 1.33 IN 18.22

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 23...	--	--	--	--	--	--	--	2	.70	100
NOV 15...	7.3	22	--	.03	8.61	.21	.010	2	.78	100
DEC 21...	--	--	--	--	--	--	--	3	1.4	100
JAN 17...	7.2	16	16	.02	5.88	.24	.010	2	.73	100
FEB 13...	--	--	--	--	--	--	--	6	2.3	100
MAR 14...	5.9	18	20	.02	10.4	.15	.010	4	2.3	100
APR 01...	--	--	--	--	--	--	--	5	3.0	100
MAY 19...	6.3	20	14	.03	7.83	.18	.050	6	2.3	100
JUN 17...	--	--	--	--	--	--	--	10	4.4	100
JUL 08...	7.0	2	13	.00	.70	.19	.010	1	.35	100
AUG 15...	--	--	--	--	--	--	--	3	1.1	59
SEP 12...	8.0	20	19	.03	6.75	.21	.000	5	1.7	58

DATE	PCB TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)
JAN 03...	.06	0	.00	.00	.0	.0	3	.00	10	.00

DATE	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JAN 03...	8.2	.00	3.0	.00	.00	.0	.00	.00	.0

DATE	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
JAN 03...	.00	.00	.0	.00	.0	.00	.0	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 03...	.00	.00	.00	0	0	.00	.00	.00	.00

DATE	TIME	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)
NOV 15...	1100	.8	.4	1.2	.6	.8	<.4	.8	<.4	.96	.11

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
OCT											
23...	1235	130	--	--	19.0	--	--	--	--	--	--
NOV											
15...	1100	145	11	5.5	12.0	9.8	260	120	103	2	--
DEC											
21...	1045	170	--	--	14.0	--	--	--	--	--	--
JAN											
17...	1000	136	16	6.2	13.0	9.5	4700	800	960	2	0
FEB											
13...	1030	142	--	--	10.0	--	--	--	--	--	--
MAR											
14...	1100	214	16	5.9	11.0	11.2	450	130	199	4	0
APR											
01...	0750	225	--	--	14.0	--	--	--	--	--	--
MAY											
19...	0900	145	16	5.8	19.0	8.6	640	115	447	2	0
JUN											
17...	1100	162	--	--	19.0	--	--	--	--	--	--
JUL											
08...	0900	130	13	6.4	21.5	8.5	400	122	323	2	2
AUG											
15...	1000	131	--	--	22.0	--	--	--	--	--	--
SEP											
12...	1000	125	13	6.2	21.0	6.7	407	185	240	2	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT										
23...	--	--	--	--	--	--	--	--	--	--
NOV										
15...	.4	.3	1.6	57	.5	.3	2	1.7	2.1	.0
DEC										
21...	--	--	--	--	--	--	--	--	--	--
JAN										
17...	.5	.3	1.8	74	.5	.1	4	1.2	1.9	.0
FEB										
13...	--	--	--	--	--	--	--	--	--	--
MAR										
14...	.6	.5	2.0	54	.5	.1	6	4.0	2.0	.1
APR										
01...	--	--	--	--	--	--	--	--	--	--
MAY										
19...	.4	.3	1.3	53	.4	.2	2	.8	2.1	.0
JUN										
17...	--	--	--	--	--	--	--	--	--	--
JUL										
08...	.4	.3	1.4	55	.4	.2	0	.6	2.0	.0
AUG										
15...	--	--	--	--	--	--	--	--	--	--
SEP										
12...	.4	.3	1.5	56	.4	.3	4	2.9	1.8	.0

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
NOV							
15...	1100	0	0	0	10	1	250
MAY							
19...	0900	1	<50	0	--	0	480

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
NOV							
15...	3	10	<.1	0	0	160	.00
MAY							
19...	0	10	<.1	0	0	30	.00

02197309 TIMS BRANCH AT ROAD C AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°17'12", long 81°41'45", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on left upstream end of metal culvert, 30 ft (9 m) northeast of SRP Road C and 300 ft (91 m) northwest of Upper Three Runs Creek.

DRAINAGE AREA.--17.5 mi^2 (45.3 km^2).

PERIOD OF RECORD.--March 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 140 ft (43 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Oct. 19 to Nov. 1, Nov. 18 to Jan. 3, and Apr. 1 to May 6, which are poor. Flow regulated by Savannah River Plant operations 5 mi (8 km) upstream.

AVERAGE DISCHARGE.--6 years, 6.24 ft^3/s (0.177 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60.6 ft^3/s (1.72 m^3/s) May 29, 1976, gage height, 6.17 ft (1.881 m); minimum daily, 2.3 ft^3/s (0.065 m^3/s) July 16, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 44.6 ft^3/s (1.26 m^3/s), Mar. 13, gage height, 5.03 ft (1.533 m); minimum daily, 1.4 ft^3/s (0.040 m^3/s) Sept. 5-9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	3.1	3.9	4.6	7.3	6.7	12	6.4	3.1	2.5	2.1	1.7
2	4.2	7.2	4.4	7.1	5.0	7.2	9.2	6.4	2.8	2.6	2.3	2.5
3	3.4	10	3.6	5.8	4.2	7.6	8.8	6.3	2.7	2.4	3.4	2.3
4	3.8	5.3	3.2	3.9	3.8	7.4	11	6.2	2.6	5.7	3.1	1.6
5	6.8	4.5	4.0	4.4	3.5	7.9	12	6.2	2.5	3.1	2.2	1.4
6	4.6	4.0	4.4	3.5	4.3	8.6	8.9	6.2	2.6	2.6	3.4	1.4
7	3.7	8.2	3.8	3.4	4.7	6.9	8.0	6.0	2.6	3.1	2.9	1.4
8	3.4	6.3	3.5	3.6	4.5	14	8.7	6.4	2.5	2.7	1.8	1.4
9	8.4	4.1	3.9	3.6	6.8	14	13	7.1	2.4	2.5	2.4	1.4
10	5.9	3.9	4.9	3.1	13	10	15	5.9	2.4	2.4	2.0	1.8
11	3.8	19	4.3	3.6	7.6	15	11	5.4	2.4	2.1	1.7	2.5
12	3.2	14	3.5	3.6	6.5	20	7.8	5.2	2.4	2.0	3.9	2.6
13	3.2	8.3	3.4	3.5	5.9	37	8.0	4.8	2.4	2.0	2.6	3.4
14	3.1	6.3	3.4	6.8	7.9	19	8.8	5.0	2.3	1.9	2.6	4.6
15	2.8	5.3	3.7	6.2	6.3	17	10	5.0	2.2	2.0	2.0	5.0
16	3.4	5.0	3.8	4.9	8.7	10	8.6	4.7	2.0	1.9	1.7	5.3
17	4.1	7.1	3.8	4.6	7.2	9.9	7.8	5.0	2.2	1.9	1.5	6.5
18	3.7	5.8	3.8	6.6	6.0	18	7.4	5.1	6.4	1.8	1.7	3.6
19	3.8	4.5	3.7	5.7	5.8	9.6	7.3	4.5	7.9	1.9	1.9	1.6
20	4.0	3.9	3.5	4.4	6.1	12	7.4	6.3	4.5	1.8	4.9	1.7
21	3.6	3.9	4.0	4.2	10	13	7.1	6.1	3.6	1.8	3.1	1.8
22	3.8	3.7	3.6	4.4	9.1	13	7.0	8.2	3.3	1.8	2.5	2.6
23	4.2	3.6	4.9	8.6	8.4	8.9	6.8	10	3.1	1.8	2.2	2.2
24	3.8	3.7	4.5	5.7	7.0	11	6.7	16	3.3	2.3	2.2	2.9
25	3.7	3.5	3.7	5.0	6.3	21	6.6	7.8	5.3	2.3	1.9	8.1
26	3.8	3.6	3.4	6.1	8.3	26	6.5	5.5	6.8	2.2	1.6	8.2
27	3.9	3.5	3.5	10	7.7	8.7	6.5	4.3	4.4	2.1	1.6	5.8
28	3.7	4.2	3.9	6.2	6.7	21	6.4	3.7	3.5	2.5	1.8	7.6
29	3.7	6.0	7.9	5.0	6.4	26	6.4	4.6	3.1	2.7	1.6	20
30	3.8	5.4	6.9	4.2	---	26	6.4	4.1	2.6	2.3	1.5	17
31	3.8	---	5.5	11	---	17	---	3.5	---	2.1	1.7	---
TOTAL	126.6	176.9	128.3	163.3	195.0	449.4	257.1	187.9	99.9	72.8	71.8	129.9
MEAN	4.08	5.90	4.14	5.27	6.72	14.5	8.57	6.06	3.33	2.35	2.32	4.33
MAX	8.4	19	7.9	11	13	37	15	16	7.9	5.7	4.9	20
MIN	2.8	3.1	3.2	3.1	3.5	6.7	6.4	3.5	2.0	1.8	1.5	1.4

WTR YR 1980 TOTAL 2058.9 MEAN 5.63 MAX 37 MIN 1.4

02197310 UPPER THREE RUNS ABOVE ROAD C AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°17'08", long 81°41'40", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on right bank 100 ft (30 m) upstream of SRP Road C, 2.0 mi (3.2 km) east of SRP Road 2.

DRAINAGE AREA.--176 mi^2 (456 km^2).

PERIOD OF RECORD.--June 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 125 ft (38 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 214 ft^3/s (6.060 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 880 ft^3/s (24.9 m^3/s) Mar. 13-14, 1980, gage height, 6.10 ft (1.859 m); minimum daily, 113 ft^3/s (3.20 m^3/s) Aug. 25, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 880 ft^3/s (24.9 m^3/s), Mar. 13-14, gage height, 6.10 ft (1.859 m); minimum daily, 122 ft^3/s (3.46 m^3/s) Aug. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	172	195	239	266	187	360	192	157	161	129	143
2	215	228	194	210	220	191	286	189	154	157	127	150
3	188	577	193	200	206	198	273	187	153	156	125	144
4	180	490	192	200	200	202	312	185	151	162	124	140
5	239	268	193	217	199	212	309	185	147	162	122	143
6	251	207	208	204	204	249	257	183	147	157	125	151
7	197	202	245	194	221	220	242	177	152	153	131	146
8	179	196	222	194	218	272	258	177	152	148	144	143
9	178	192	201	201	232	398	348	213	148	147	211	141
10	173	192	196	196	370	321	329	193	145	182	213	139
11	173	343	192	218	363	232	253	179	143	190	176	144
12	172	544	192	235	242	284	236	175	143	159	149	142
13	169	434	195	205	218	702	242	170	145	150	145	139
14	166	262	196	242	211	648	276	166	146	164	145	136
15	164	224	192	289	205	373	274	165	145	156	142	135
16	165	213	207	223	241	273	233	164	143	147	142	132
17	167	211	209	205	277	257	223	167	142	142	142	131
18	168	206	195	237	221	360	220	185	212	138	152	136
19	169	202	192	259	205	369	226	177	251	138	151	138
20	168	199	190	216	202	285	226	205	198	138	202	149
21	169	198	188	201	203	328	216	238	175	141	190	153
22	169	198	187	198	209	350	213	208	171	150	160	154
23	172	198	189	271	245	268	205	237	163	146	152	153
24	193	201	193	291	224	265	202	318	165	147	149	151
25	189	202	227	219	206	322	197	326	219	160	149	242
26	177	218	217	217	197	292	194	225	292	176	143	324
27	173	227	197	298	191	254	196	193	228	153	141	244
28	171	210	191	321	190	349	193	174	191	145	141	210
29	171	201	189	237	189	533	191	168	175	141	138	394
30	171	196	221	212	---	513	196	164	168	136	138	501
31	172	---	286	237	---	465	---	159	---	132	139	---
TOTAL	5711	7611	6284	7086	6575	10172	7386	6044	5121	4734	4637	5348
MEAN	184	254	203	229	227	328	246	195	171	153	150	178
MAX	303	577	286	321	370	702	360	326	292	190	213	501
MIN	164	172	187	194	189	187	191	159	142	132	122	131

WTR YR 1980 TOTAL 76709 MEAN 210 MAX 702 MIN 122

02197315 UPPER THREE RUNS AT ROAD A AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°14'20", long 81°44'42", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, near right bank on downstream side of bridge at SRP Road A, 2.0 mi (3.2 km) south of SRP Road 2.

DRAINAGE AREA.--203 mi^2 (526 km^2).

PERIOD OF RECORD.--June 1974 to January 1978, October 1978 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 90 ft (27 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--5 years, 277 ft^3/s (7.845 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,230 ft^3/s (34.8 m^3/s) May 29, 1976, gage height, 6.76 ft (2.060 m); minimum daily, 139 ft^3/s (3.94 m^3/s) Aug. 5, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 951 ft^3/s (26.9 m^3/s), Mar. 14, gage height, 6.23 ft (1.899 m); minimum daily, 139 ft^3/s (3.94 m^3/s) Aug. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	365	215	252	350	352	245	749	254	201	180	150	185
2	307	244	251	290	321	249	649	249	198	174	147	194
3	238	571	250	267	281	258	555	246	194	173	142	193
4	223	677	248	263	266	266	541	243	192	177	141	188
5	287	458	250	283	259	274	543	243	189	179	139	187
6	326	291	265	276	265	321	505	243	188	174	143	195
7	267	267	314	257	290	309	473	234	192	174	155	194
8	224	258	310	254	295	325	468	232	191	164	158	185
9	217	251	269	263	297	470	525	269	182	162	255	182
10	213	248	257	259	412	476	561	267	177	189	260	177
11	210	359	251	272	477	336	499	240	174	230	256	182
12	209	602	250	311	375	333	437	233	175	182	194	181
13	205	628	251	280	299	748	383	225	177	167	184	175
14	201	426	255	289	283	908	378	219	175	177	180	170
15	197	312	251	361	273	694	387	217	172	179	175	167
16	199	286	266	327	302	464	359	216	169	166	173	164
17	201	279	277	273	358	376	345	218	172	159	172	161
18	203	273	263	298	318	440	338	239	246	154	183	166
19	204	268	252	344	275	505	337	239	327	153	183	168
20	203	262	248	304	268	481	336	254	271	153	229	174
21	205	259	245	270	268	432	322	309	218	153	257	190
22	204	257	244	261	273	466	309	299	206	171	206	190
23	207	257	245	324	312	421	301	312	157	166	191	190
24	233	259	250	383	312	373	297	403	198	171	197	181
25	241	261	288	331	279	415	284	415	239	181	186	255
26	223	273	299	307	263	441	265	353	335	211	192	358
27	216	296	265	367	252	398	260	268	307	186	177	358
28	213	279	252	412	250	459	256	237	233	171	178	269
29	213	263	246	355	248	667	250	224	203	165	176	419
30	214	254	276	293	---	747	257	219	190	159	177	564
31	214	---	356	308	---	755	---	208	---	155	180	---
TOTAL	7082	9833	8196	9432	8723	14052	12170	8027	6284	5355	5716	6560
MEAN	228	328	264	304	301	453	406	259	210	173	184	219
MAX	365	677	356	412	477	908	749	415	335	230	260	564
MIN	197	215	244	254	248	245	250	208	169	153	139	161

WTR YR 1980 TOTAL 101434 MEAN 277 MAX 908 MIN 139

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, Hydrologic Unit 03060106, on left bank 1.4 mi (2.3 km) downstream from Upper Three Runs, 15.2 mi (24.5 km) upstream from Steel Creek, 6.2 mi (10.0 km) south of Jackson and at mile 156.8 (252.3 km).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year, discharge below 20,000 ft^3/s (566 m^3/s) only.

GAGE.--Water-stage recorder. Datum of gage is 77.0 ft (23.47 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. At times of high flow, bankfull capacity is exceeded in the intervening channel reach.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.74 ft (6.322 m) Apr. 1, 1980; minimum daily, 5,770 ft^3/s (163 m^3/s) Jan. 2, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.74 ft (6.322 m) Apr. 1; minimum daily, 5,930 ft^3/s (168 m^3/s) Aug. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8550	6720	15900	7220	---	7570	---	11700	16000	8580	9310	6580
2	9500	6960	14600	7400	---	7860	---	11600	10500	9550	7340	6240
3	9990	7540	12100	8180	19600	10300	---	11100	14200	9790	6760	6410
4	10000	8140	14900	8470	17100	13100	---	9520	17500	10200	6240	6980
5	10400	8010	16800	7900	16800	9110	---	8120	18900	9810	5930	7130
6	10800	6930	17300	7530	17300	7640	---	9550	19600	7980	6270	7960
7	10200	7760	17500	6790	18300	7950	---	9910	19800	7110	6920	7910
8	9800	9530	17000	6620	18900	9230	---	7310	19200	6520	7290	6650
9	9430	9360	15300	6840	18500	13600	---	7250	17000	6550	8990	6600
10	8880	9500	11800	9210	17400	16900	---	8090	16900	7850	9720	7490
11	9380	9360	13400	11800	16600	17400	---	7450	18500	10100	7700	6840
12	9860	10500	14900	10300	17400	18000	---	6960	19400	8530	8300	6740
13	9590	10400	15100	8030	18000	---	---	6880	19400	8650	9420	6780
14	9350	14300	15000	7470	17800	---	---	7320	18100	7790	7880	6750
15	8600	16500	14900	9830	17100	---	---	6980	15400	8210	7320	6340
16	8810	17000	14000	10800	15200	---	---	6940	10800	8940	7200	6950
17	8970	15600	10200	11000	13100	---	---	6930	8540	8650	7050	8990
18	8580	13400	11900	11100	10700	---	---	7120	9790	7590	6520	8010
19	8120	9940	14200	14300	10000	---	---	8020	10100	7330	6660	6320
20	8540	12600	14100	16200	10000	---	---	9910	9020	6880	8030	6570
21	8860	14200	13600	15600	9190	---	---	9970	8940	6660	7470	6860
22	7880	15000	12400	16300	8950	---	---	11200	8550	6330	6580	6560
23	8350	14700	9170	18400	9220	---	---	14100	7690	6380	6690	6290
24	8510	12600	7480	19800	8570	---	---	16200	7010	6810	6860	6480
25	7860	9840	7480	---	9040	---	---	16500	7510	7150	6290	7170
26	7330	7710	8400	---	8690	---	---	15300	8540	7250	6400	7310
27	7180	12700	8520	---	8130	---	18300	16300	8440	7290	6720	7870
28	6690	15100	8450	19800	7760	---	14100	18200	9050	6880	6100	7810
29	6780	15800	8040	19200	7680	---	11500	19000	8980	6350	6320	7700
30	7260	16100	7260	19700	---	---	11600	19300	7450	6700	7120	7910
31	7050	---	7200	---	---	---	---	19200	---	8060	7090	---
TOTAL	271100	343800	388900	---	---	---	---	343930	390810	242470	224490	212200
MEAN	8745	11460	12550	---	---	---	---	11090	13030	7822	7242	7073
MAX	10800	17000	17500	---	---	---	---	19300	19800	10200	9720	8990
MIN	6690	6720	7200	---	---	---	---	6880	7010	6330	5930	6240

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1971 to current year.

INSTRUMENTATION.--Servo Programmer since October 1971.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.0°C Aug. 14, 1973, July 31, Aug. 27, 28, 1974, Aug. 19, 20, 1975; Aug. 8-11, 30, 31, Sept. 1, 1977, Sept. 3, 1980; minimum, 4.5°C Jan. 19, 20, 22, 23, Feb. 1, 1977, Feb. 9, 1978.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 26.0°C Sept. 3; minimum, 6.5°C Feb. 3, 4, 11, 12.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.0	22.5	22.5	20.0	19.5	20.0	14.0	13.0	13.5	11.0	10.5	11.0
2	23.5	22.5	23.0	20.5	20.0	20.0	13.5	12.5	13.0	10.5	10.0	10.5
3	23.0	22.0	22.5	20.5	19.5	20.0	13.0	12.0	12.5	10.5	10.0	10.5
4	22.0	21.5	22.0	19.5	18.5	19.0	13.5	12.5	13.0	10.5	10.0	10.0
5	21.5	21.0	21.5	18.0	17.0	17.5	13.5	13.5	13.5	10.0	9.5	10.0
6	21.0	20.5	20.5	17.5	17.0	17.0	14.0	13.0	13.5	9.5	9.0	9.0
7	20.5	20.0	20.0	17.5	16.5	17.0	14.0	13.5	14.0	11.0	8.5	10.0
8	20.5	20.0	20.5	17.5	17.0	17.5	14.0	13.5	13.5	10.0	10.0	10.0
9	21.0	20.5	20.5	18.5	17.5	18.0	13.0	12.5	13.0	10.0	9.5	9.5
10	21.0	20.5	21.0	19.0	18.5	18.5	13.0	12.0	12.5	---	---	---
11	21.0	20.5	20.5	19.0	19.0	19.0	13.5	13.0	13.0	---	---	---
12	20.5	20.0	20.0	19.0	18.0	18.5	13.5	13.5	13.5	---	---	---
13	20.5	20.0	20.0	18.0	17.5	17.5	14.5	13.5	14.0	---	---	---
14	20.5	20.0	20.0	17.5	17.5	17.5	14.5	14.0	14.5	---	---	---
15	20.0	19.5	19.5	17.5	17.0	17.5	14.0	13.0	13.5	---	---	---
16	19.5	19.0	19.5	17.0	15.5	16.5	13.0	12.0	12.5	---	---	---
17	20.0	19.5	20.0	16.5	16.0	16.0	12.0	12.0	12.0	---	---	---
18	21.0	20.0	20.5	16.5	16.0	16.0	12.0	11.5	12.0	---	---	---
19	21.5	20.5	21.0	17.0	16.0	16.0	12.0	11.5	11.5	---	---	---
20	21.5	21.0	21.5	17.0	16.5	16.5	11.5	11.0	11.5	---	---	---
21	22.0	21.0	21.5	17.0	16.5	17.0	11.5	11.0	11.5	---	---	---
22	22.0	21.5	21.5	17.0	16.5	17.0	11.5	11.0	11.5	---	---	---
23	22.0	21.0	21.5	17.5	17.0	17.0	12.0	11.0	11.5	---	---	---
24	21.0	20.5	20.5	18.0	17.0	17.5	12.5	12.0	12.0	9.5	9.0	9.5
25	20.5	19.5	19.5	18.0	17.5	18.0	12.5	12.0	12.0	9.5	9.0	9.0
26	19.5	18.5	19.0	18.5	18.0	18.0	12.0	11.5	11.5	9.5	9.5	9.5
27	19.0	18.5	19.0	18.0	17.0	17.5	11.5	11.0	11.0	9.5	9.5	9.5
28	19.0	18.0	18.5	17.0	16.5	16.5	11.0	11.0	11.0	10.0	9.5	9.5
29	19.0	18.5	19.0	16.5	15.0	16.0	11.5	11.0	11.0	10.0	9.5	9.5
30	20.0	19.0	19.5	15.0	14.0	14.5	11.5	11.0	11.0	9.5	9.5	9.5
31	20.0	19.5	19.5	---	---	---	11.5	11.0	11.0	9.5	8.5	9.0

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	7.5	8.0	11.0	9.5	10.5	13.5	13.0	13.5	16.5	16.5	16.5
2	7.5	7.0	7.0	9.5	7.5	8.5	14.0	13.5	14.0	17.0	16.5	16.5
3	7.0	6.5	7.0	7.5	7.0	7.0	14.0	13.5	13.5	17.0	17.0	17.0
4	7.5	6.5	7.5	9.0	7.5	8.0	14.0	13.0	13.5	17.5	17.0	17.0
5	8.0	7.5	7.5	10.5	9.0	10.0	14.0	13.5	13.5	18.0	17.0	17.5
6	8.0	7.5	7.5	11.0	10.5	11.0	14.0	13.0	13.5	19.0	17.5	18.0
7	8.0	7.5	7.5	11.5	11.0	11.5	14.0	14.0	14.0	18.5	17.5	18.0
8	8.0	7.5	7.5	11.5	11.5	11.5	14.5	14.0	14.0	19.0	18.0	18.5
9	8.0	7.5	7.5	12.0	11.5	11.5	15.0	14.0	14.5	19.0	18.5	18.5
10	8.0	7.5	7.5	12.5	12.0	12.0	15.0	14.5	14.5	18.5	18.0	18.5
11	7.5	6.5	7.0	13.5	12.5	13.0	15.0	14.5	14.5	19.0	17.5	18.0
12	7.5	6.5	7.5	12.0	9.5	11.0	15.0	15.0	15.0	20.0	18.5	19.5
13	7.5	7.5	7.5	9.5	9.0	9.0	15.5	15.0	15.0	20.0	19.5	20.0
14	8.0	7.5	8.0	9.5	9.0	9.5	15.5	15.5	15.5	20.5	19.5	20.0
15	8.5	8.0	8.0	10.5	9.5	10.0	15.5	14.5	14.5	20.5	19.5	20.0
16	9.5	8.5	9.0	11.5	10.5	11.0	14.5	14.0	14.0	20.5	19.5	20.0
17	9.5	9.0	9.0	12.0	11.5	12.0	14.5	14.0	14.5	19.5	19.0	19.5
18	9.0	8.0	8.5	12.5	12.0	12.5	15.0	14.5	15.0	20.0	19.0	19.5
19	8.5	8.0	8.5	12.5	12.0	12.5	15.0	14.5	15.0	20.0	19.5	19.5
20	9.0	8.5	8.5	12.5	12.5	12.5	15.0	14.5	15.0	19.5	19.0	19.0
21	9.5	9.0	9.0	13.5	12.5	13.0	15.5	15.0	15.5	19.5	19.0	19.0
22	10.5	9.5	10.0	13.5	12.5	13.0	16.0	15.5	15.5	19.0	18.5	18.5
23	11.5	10.5	11.0	13.0	12.5	12.5	16.5	15.5	16.0	19.0	17.0	19.0
24	12.5	11.5	12.0	13.0	12.5	12.5	17.0	16.0	16.5	17.5	16.5	17.0
25	12.5	12.0	12.5	12.5	12.0	12.5	17.5	16.5	17.0	19.0	17.0	18.0
26	13.0	11.0	12.0	12.5	12.0	12.5	17.5	17.0	17.0	19.0	18.0	18.5
27	11.0	9.5	10.5	12.5	12.0	12.5	17.5	17.0	17.0	19.0	17.0	18.0
28	10.0	9.0	9.5	12.5	12.0	12.0	17.5	17.0	17.5	18.0	17.0	17.5
29	11.5	10.0	10.5	12.0	11.5	12.0	17.5	16.5	17.0	18.5	17.5	18.0
30	---	---	---	12.5	12.0	12.5	17.0	16.5	16.5	18.5	17.5	18.0
31	---	---	---	13.0	12.5	13.0	---	---	---	18.5	17.5	18.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	18.5	19.0	24.5	23.0	23.5	24.0	23.0	23.5	25.5	23.5	24.5
2	21.0	19.5	20.5	23.5	22.0	23.0	25.0	23.5	24.0	25.5	24.5	25.0
3	21.5	18.5	20.5	23.0	21.5	22.0	25.0	23.0	24.0	26.0	24.5	25.0
4	19.0	18.0	18.5	22.5	21.5	22.0	25.0	23.5	24.5	25.5	24.5	25.0
5	19.0	18.0	18.5	22.5	22.0	22.0	25.5	24.5	25.0	25.0	24.0	24.5
6	19.0	18.5	18.5	24.5	22.0	23.0	25.5	25.0	25.5	25.0	24.0	24.5
7	19.5	18.5	19.0	24.5	23.0	23.5	25.5	24.5	25.0	25.0	24.0	24.5
8	20.0	18.5	19.5	25.5	24.0	24.5	25.0	24.0	24.5	25.0	23.5	24.5
9	20.5	19.5	20.0	25.5	24.5	25.0	25.0	23.5	24.0	25.5	24.5	25.0
10	20.5	18.0	19.5	25.0	24.0	24.5	24.0	23.0	23.5	25.0	24.0	24.5
11	19.0	18.0	18.5	23.5	22.5	23.0	24.0	23.0	23.5	24.0	23.0	23.5
12	19.0	18.0	18.5	24.0	22.5	23.5	---	---	---	24.0	23.5	24.0
13	19.5	18.5	19.0	25.0	23.0	24.0	---	---	---	24.5	23.5	24.0
14	19.5	18.5	19.0	24.5	23.5	24.0	---	---	---	24.5	23.5	24.0
15	20.0	19.5	19.5	25.0	23.5	24.5	---	---	---	25.0	24.0	24.5
16	21.5	20.5	21.0	25.0	23.0	24.0	---	---	---	25.5	24.0	24.5
17	22.5	21.0	22.0	24.5	22.5	23.5	---	---	---	25.0	23.5	24.5
18	22.5	21.0	21.5	25.0	23.0	24.0	---	---	---	24.5	23.5	24.0
19	21.5	20.5	21.0	25.0	23.0	24.0	---	---	---	24.5	24.0	24.5
20	22.0	21.0	21.5	25.0	23.5	24.5	25.0	24.5	24.5	25.0	24.0	24.5
21	22.0	21.0	21.5	25.5	24.5	25.0	25.0	23.5	24.5	24.5	23.5	24.0
22	23.0	21.0	22.0	25.5	24.5	25.0	25.5	24.0	25.0	24.5	24.0	24.5
23	22.5	21.5	22.0	25.0	24.5	25.0	25.5	24.5	25.0	25.0	24.0	24.5
24	22.5	21.5	22.0	25.0	23.5	24.0	25.0	24.0	24.5	25.0	24.0	25.0
25	23.0	22.0	22.5	23.5	22.5	23.0	24.5	23.5	24.0	25.0	24.0	24.5
26	22.5	21.5	22.0	23.5	22.0	23.0	24.0	23.5	24.0	24.5	23.5	24.5
27	23.0	21.5	22.0	23.5	23.0	23.0	24.0	23.0	23.5	24.5	23.5	24.0
28	23.5	22.0	22.5	24.0	22.5	23.5	24.0	23.0	23.5	23.5	22.0	22.5
29	24.0	22.5	23.0	24.5	23.5	24.0	24.5	24.0	24.5	21.5	21.0	21.0
30	24.0	22.5	23.5	25.0	24.0	24.5	24.5	24.0	24.0	---	---	---
31	---	---	---	25.0	23.5	24.5	24.5	23.5	24.0	---	---	---
YEAR	26.0	6.5	17.5									

02197326 BEAVERDAM CREEK AT 400-D AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°11'12", long 81°45'05", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on downstream side of foot bridge near left bank, 1.0 mi (1.6 km) downstream from Area 400-D.

DRAINAGE AREA.--0.73 mi^2 (1.89 km^2).

PERIOD OF RECORD.--June 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Mar. 6 to Apr. 2 and Apr. 10 to May 5, which are poor. Flow regulated by Savannah River Plant operations 1.0 mi (1.6 km) upstream.

AVERAGE DISCHARGE.--6 years, 83.1 ft^3/s (2.353 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 199 ft^3/s (5.64 m^3/s) May 28, 1976, gage height, 2.79 ft (0.850 m); minimum daily, 43 ft^3/s (1.22 m^3/s) Dec. 9, 10, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 153 ft^3/s (4.33 m^3/s), Nov. 2, gage height, 2.33 ft (0.710 m); minimum daily, 47 ft^3/s (1.33 m^3/s) Jan. 8, Feb. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	79	75	63	57	72	86	84	86	95	105	98
2	99	92	73	63	50	69	87	86	71	97	103	121
3	97	83	67	67	52	58	89	88	81	96	111	121
4	96	80	67	64	49	63	92	88	91	98	116	114
5	98	65	68	65	47	68	94	88	92	98	119	99
6	93	62	64	65	49	89	91	88	92	93	120	101
7	91	62	57	55	56	92	88	87	92	99	105	101
8	92	61	59	47	54	88	87	87	91	100	83	99
9	93	60	60	53	51	88	77	83	90	101	88	99
10	90	61	60	72	51	88	78	87	87	97	89	103
11	96	76	67	74	52	90	80	83	86	102	82	99
12	94	69	68	77	48	92	82	86	86	102	83	96
13	94	72	72	72	50	92	82	89	85	104	85	98
14	91	78	76	71	53	92	82	84	85	105	87	96
15	92	72	81	70	51	90	80	81	86	104	97	97
16	92	73	74	74	57	88	82	85	90	104	98	99
17	90	73	73	75	55	88	84	90	87	105	96	98
18	91	75	75	77	59	90	86	91	92	105	82	98
19	93	74	81	77	61	92	88	84	92	103	88	97
20	92	76	72	74	61	90	88	80	91	105	89	102
21	92	80	70	72	57	88	88	87	89	106	86	102
22	91	80	69	72	54	90	90	90	92	100	105	102
23	92	83	67	60	56	90	91	94	91	101	111	103
24	90	85	76	57	54	92	92	98	93	101	108	105
25	88	85	78	70	73	92	88	93	100	103	107	107
26	86	88	75	67	73	92	86	92	99	101	107	103
27	82	88	75	72	70	90	84	91	97	103	107	101
28	84	86	75	67	73	88	84	91	96	104	106	106
29	79	81	67	62	70	88	84	92	97	103	90	108
30	78	74	70	51	---	90	84	87	96	104	99	103
31	80	---	67	50	---	88	---	66	---	105	100	---
TOTAL	2816	2273	2178	2055	1643	2667	2574	2700	2703	3149	3052	3076
MEAN	90.8	75.8	70.3	66.3	56.7	86.0	85.8	87.1	90.1	102	98.5	103
MAX	100	92	81	77	73	92	94	98	100	106	120	121
MIN	78	60	57	47	47	58	77	66	71	95	82	96

WTR YR 1980 TOTAL 30886 MEAN 84.4 MAX 121 MIN 47

02197327 BEAVERDAM CREEK AT MOUTH AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°09'57", long 81°45'55", Barnwell County, Hydrologic Unit 03060106, on left bank 6.1 m (9.8 km) downstream from Upper Three Runs, 10.5 m (16.9 km) upstream from Steel Creek and at mile 152.1.

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 33.5°C July 11-16, Aug. 5, 1980; minimum, 9.0°C Jan. 24, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 33.5°C July 11-16, Aug 5; minimum, 9.0°C Jan. 24.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	29.5	28.5	29.0	23.5	23.0	23.0	15.0	15.0	15.0	17.5	16.5	17.0
2	29.5	28.5	29.0	24.0	22.5	23.5	14.5	14.5	14.5	16.5	14.0	15.0
3	29.0	27.0	27.5	22.5	20.0	21.0	14.5	13.5	14.0	15.0	13.0	14.0
4	27.5	26.0	27.0	20.0	18.0	18.5	14.5	13.5	14.0	15.5	15.0	15.5
5	27.0	24.0	25.5	17.5	16.5	17.0	14.0	13.5	14.0	15.5	15.0	15.5
6	23.5	22.0	22.5	18.5	17.0	17.5	14.0	14.0	14.0	15.0	14.0	14.5
7	23.5	22.0	23.0	18.5	17.5	18.0	14.5	14.0	14.0	16.5	14.5	15.0
8	25.0	22.5	24.0	18.5	17.5	18.0	14.5	14.5	14.5	19.0	16.5	18.0
9	26.5	24.0	25.5	19.5	17.5	18.5	14.5	14.0	14.0	19.5	19.0	19.5
10	26.0	24.5	25.5	21.0	19.5	20.5	14.0	13.0	13.5	19.5	17.5	18.0
11	24.5	23.5	24.0	21.5	19.5	20.5	16.0	13.5	14.0	18.5	17.0	17.5
12	25.0	23.0	24.0	19.5	18.0	19.0	16.0	14.5	15.0	18.5	17.5	18.5
13	26.5	24.5	25.5	18.0	17.5	18.0	16.5	14.5	15.0	17.5	15.5	16.5
14	26.0	23.5	24.5	18.0	15.5	17.0	17.0	15.5	15.5	16.0	15.0	15.5
15	23.5	22.0	23.0	17.5	17.0	17.5	16.0	15.0	15.5	18.0	16.0	17.0
16	25.0	23.0	24.0	17.0	17.0	17.0	16.0	15.0	15.5	18.5	17.0	17.5
17	26.0	24.5	25.0	18.0	17.0	17.0	16.0	15.0	15.5	19.5	18.5	19.0
18	27.0	25.5	26.0	19.5	18.0	18.5	16.0	15.0	15.5	20.5	19.5	20.0
19	27.5	26.0	27.0	21.0	19.5	20.0	15.5	15.0	15.5	20.0	10.5	14.5
20	28.0	27.0	27.5	21.5	20.0	21.0	15.5	15.0	15.5	10.5	10.0	10.0
21	28.0	27.0	28.0	21.5	18.5	20.0	15.5	15.5	15.5	14.0	10.0	11.5
22	28.0	27.0	27.5	21.0	18.0	18.5	17.0	15.5	16.0	14.0	10.0	11.0
23	28.0	26.5	27.5	22.5	18.5	20.0	19.0	17.0	18.0	9.5	9.5	9.5
24	26.0	22.5	24.0	24.5	22.5	23.5	20.5	19.0	19.5	9.5	9.0	9.5
25	22.5	21.0	22.0	25.5	24.5	25.0	19.5	17.5	18.5	9.5	9.5	9.5
26	22.5	21.5	22.0	25.5	23.5	25.0	17.5	16.5	17.0	10.0	9.5	9.5
27	23.0	21.5	22.0	23.5	21.5	22.0	18.0	16.5	17.5	10.0	10.0	10.0
28	24.0	22.0	23.0	22.5	17.0	18.0	17.5	17.0	17.5	10.0	10.0	10.0
29	24.0	22.5	23.5	17.5	16.5	17.0	17.5	16.5	17.0	10.5	10.0	10.5
30	25.0	23.5	24.5	16.0	15.0	15.5	18.0	17.0	17.5	10.5	10.5	10.5
31	25.0	24.0	24.5	---	---	---	18.0	18.0	18.0	10.5	10.5	10.5

02197327 BEAVERDAM CREEK AT MOUTH AT SAVANNAH RIVER PLANT, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.5	10.0	10.5	21.0	18.5	20.0	13.5	13.5	13.5	18.0	17.5	17.5
2	10.5	10.0	10.0	18.5	16.0	17.0	13.5	13.5	13.5	18.0	18.0	18.0
3	10.0	10.0	10.0	16.5	15.0	15.5	14.0	14.0	14.0	18.0	18.0	18.0
4	10.0	10.0	10.0	17.5	15.0	16.5	14.0	13.5	13.5	18.5	18.0	18.5
5	10.0	10.0	10.0	19.5	17.5	18.0	14.0	14.0	14.0	18.5	18.5	18.5
6	10.0	10.0	10.0	21.5	19.5	20.5	14.0	14.0	14.0	---	---	---
7	10.5	10.5	10.5	23.0	21.0	22.0	14.0	14.0	14.0	---	---	---
8	10.5	10.5	10.5	23.5	23.0	23.5	14.0	14.0	14.0	---	---	---
9	11.0	10.5	10.5	23.5	15.5	21.0	14.5	14.0	14.0	---	---	---
10	10.5	10.5	10.5	15.5	14.5	15.0	14.5	14.5	14.5	---	---	---
11	11.0	11.0	11.0	15.5	15.0	15.0	14.5	14.5	14.5	---	---	---
12	11.0	11.0	11.0	15.5	14.0	14.5	14.5	14.5	14.5	---	---	---
13	11.0	11.0	11.0	15.0	14.5	14.5	15.0	14.5	14.5	---	---	---
14	11.5	11.0	11.5	14.5	12.0	13.5	15.0	15.0	15.0	---	---	---
15	11.5	11.5	11.5	12.5	12.5	12.5	15.0	15.0	15.0	---	---	---
16	12.5	11.5	12.0	13.0	12.5	12.5	15.0	15.0	15.0	27.0	26.5	26.5
17	14.0	13.0	13.5	13.0	13.0	13.0	15.0	15.0	15.0	26.5	25.5	26.0
18	14.5	14.0	14.0	13.5	13.0	13.5	15.0	15.0	15.0	27.0	25.5	26.0
19	16.0	14.5	15.0	13.5	13.5	13.5	15.0	15.0	15.0	27.5	26.0	27.0
20	18.0	16.0	17.0	14.5	13.5	14.0	15.0	15.0	15.0	27.0	26.0	26.5
21	19.5	18.0	18.5	15.0	13.5	14.0	15.0	15.0	15.0	27.5	26.0	26.5
22	20.5	19.5	20.0	14.0	14.0	14.0	15.5	15.0	15.0	27.0	26.0	26.5
23	22.0	20.5	21.0	14.0	14.0	14.0	15.5	15.5	15.5	26.0	20.0	23.5
24	22.0	21.5	22.0	14.0	13.5	14.0	16.0	15.5	15.5	20.0	18.5	19.0
25	22.0	21.5	21.5	14.0	13.5	14.0	16.0	16.0	16.0	18.5	18.0	18.5
26	21.0	18.0	19.5	13.5	13.5	13.5	16.5	16.0	16.5	22.5	18.5	20.5
27	18.0	17.0	17.5	13.5	13.5	13.5	16.5	16.5	16.5	22.5	19.0	20.0
28	19.5	17.5	18.5	13.5	13.0	13.0	16.5	15.5	16.0	18.5	18.0	18.5
29	21.0	19.5	20.5	13.0	13.0	13.0	17.5	16.0	16.5	18.5	18.0	18.5
30	---	---	---	13.5	12.5	13.0	17.5	17.5	17.5	18.5	18.5	18.5
31	---	---	---	13.5	13.0	13.0	---	---	---	18.5	18.5	18.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.5	18.5	19.0	30.0	28.5	29.5	33.0	31.5	32.0	29.5	28.0	28.5
2	24.5	21.0	22.5	31.0	29.0	30.0	33.0	31.0	32.0	31.0	29.0	29.5
3	25.0	20.5	23.0	30.5	29.5	30.0	33.0	31.5	32.5	31.0	29.5	30.0
4	20.5	19.5	19.5	31.5	30.0	30.5	33.0	31.5	32.0	31.0	29.5	30.0
5	19.5	19.0	19.0	31.5	30.0	31.0	33.5	31.5	32.5	31.0	29.0	30.0
6	19.0	19.0	19.0	32.5	30.5	31.5	33.0	32.0	32.5	30.0	29.0	30.0
7	19.0	19.0	19.0	31.5	30.0	31.0	32.0	30.0	31.0	30.0	28.5	29.5
8	19.5	19.0	19.0	32.0	30.5	31.0	31.5	30.0	31.0	30.0	28.5	29.5
9	20.5	19.5	19.5	32.5	31.0	31.5	31.5	30.0	30.5	30.0	28.5	29.5
10	21.0	19.5	20.0	32.5	30.5	31.5	31.5	29.5	30.5	29.5	28.5	29.0
11	19.5	19.0	19.0	33.5	31.5	32.5	32.0	30.0	31.0	31.0	29.0	30.0
12	19.0	19.0	19.0	33.5	31.5	32.5	32.5	30.5	31.5	31.5	30.0	30.5
13	19.0	19.0	19.0	33.5	32.0	33.0	33.0	31.0	32.0	31.0	29.0	30.0
14	19.0	19.0	19.0	33.0	32.0	32.5	32.0	31.0	31.5	31.0	29.5	30.5
15	21.0	19.0	20.0	33.0	31.5	32.0	30.5	29.0	29.5	32.0	29.5	31.0
16	24.0	21.0	22.5	33.0	31.5	32.0	30.0	28.5	29.5	32.0	29.5	31.0
17	25.0	24.0	24.5	32.5	31.0	32.0	30.0	28.0	29.0	32.0	30.5	31.0
18	25.0	24.0	24.5	32.5	31.0	32.0	29.0	27.0	28.0	31.5	30.0	31.0
19	24.5	23.5	24.0	33.0	31.5	32.0	29.5	28.0	28.5	32.0	30.0	31.0
20	25.5	24.0	24.5	32.5	31.5	32.0	29.5	27.5	28.5	31.5	30.0	30.5
21	25.5	25.0	25.0	32.5	31.0	31.5	30.5	28.5	29.5	30.5	29.5	30.0
22	25.5	24.5	25.0	31.5	29.5	30.5	30.0	29.0	29.5	31.0	29.5	30.0
23	25.0	24.5	25.0	30.5	29.5	30.0	29.5	28.0	29.0	31.5	29.5	30.5
24	26.5	24.5	25.5	30.5	29.5	30.0	29.0	27.5	28.5	31.5	30.0	30.5
25	27.5	26.5	27.0	30.0	29.5	29.5	29.0	27.0	28.0	30.0	28.5	29.0
26	27.5	26.5	27.0	30.5	28.5	29.5	28.0	26.5	27.5	29.5	28.0	28.5
27	29.0	27.0	28.0	30.5	29.5	30.0	28.0	26.0	27.0	29.0	27.0	28.0
28	30.5	28.5	29.5	31.5	30.0	30.5	28.5	26.5	27.5	27.0	24.0	25.0
29	30.5	29.5	30.0	32.0	30.5	31.5	29.0	27.0	28.0	24.0	22.5	23.0
30	30.5	29.5	30.0	32.5	30.5	31.5	29.5	27.5	28.5	23.0	22.0	22.5
31	---	---	---	33.0	31.0	32.0	29.5	27.5	28.5	---	---	---
YEAR	33.5	9.0	21.0									

02197320 FOUR MILE CREEK NEAR JACKSON, S.C.

LOCATION.--Lat 33°08'52", long 81°45'01", Barnwell County, Hydrologic Unit 03060106, on left bank 7.6 mi (12.2 km) downstream from Upper Three Runs 9.0 mi (14.5 km) upstream from Steel Creek at mile 150.6.

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, >40.0°C several days June July, Aug., 1980; minimum, 7.0°C Feb. 3-4, 12, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, >40.0°C several days June, July, Aug.; minimum, 7.0°C Feb. 3-4, 12.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	38.0	37.0	37.5	23.5	21.0	22.0	14.0	13.0	13.5	28.0	21.5	27.0
2	38.0	37.0	37.5	23.0	21.5	22.5	19.5	14.0	16.5	20.0	12.5	14.0
3	38.0	36.5	37.0	23.0	20.0	21.0	25.5	20.0	23.0	25.5	13.5	20.0
4	37.0	36.0	36.5	19.5	16.5	17.5	25.5	14.5	18.5	26.5	26.0	26.5
5	37.0	30.5	34.0	17.5	14.5	16.0	17.5	11.5	13.5	26.0	24.5	25.5
6	30.0	27.0	28.0	18.0	15.0	16.5	14.0	13.5	14.0	27.5	24.5	25.5
7	27.0	27.0	27.0	17.5	15.0	16.5	15.0	14.0	14.5	28.5	25.5	27.0
8	27.5	27.0	27.5	17.5	14.5	16.0	14.5	12.5	13.5	30.5	28.5	29.5
9	27.5	27.5	27.5	19.5	15.5	17.5	12.5	12.0	12.5	30.5	29.5	30.0
10	28.0	27.5	28.0	21.0	18.5	19.5	16.0	11.0	12.5	29.5	27.5	28.0
11	---	---	---	20.5	19.0	19.5	23.5	16.0	19.5	29.5	23.5	27.5
12	---	---	---	19.0	17.5	18.0	23.0	15.5	18.0	30.0	27.5	29.0
13	---	---	---	17.5	16.5	17.0	24.0	18.5	21.0	27.5	26.0	26.5
14	---	---	---	18.5	15.5	16.5	24.0	17.5	20.5	28.0	26.0	26.5
15	---	---	---	17.0	14.0	15.5	17.5	13.5	15.0	30.5	28.0	29.0
16	---	---	---	14.5	13.0	13.5	22.5	13.5	17.5	31.5	28.5	30.0
17	---	---	---	18.5	14.5	16.5	26.5	22.5	25.0	31.0	30.0	30.5
18	---	---	---	28.0	19.0	23.5	27.0	20.5	24.5	31.5	21.0	30.0
19	---	---	---	31.5	28.0	29.5	22.5	15.5	17.5	19.0	12.0	13.5
20	---	---	---	31.0	20.5	26.5	23.5	19.5	22.0	12.0	11.5	11.5
21	---	---	---	23.5	18.5	19.5	26.0	24.0	24.5	16.5	11.5	13.5
22	---	---	---	23.0	18.5	19.5	28.5	26.0	27.0	17.5	10.0	13.0
23	---	---	---	27.0	19.5	22.0	31.0	28.5	30.0	10.0	10.0	10.0
24	24.5	22.0	23.5	33.0	27.5	30.0	31.5	29.5	30.5	9.5	9.0	9.5
25	31.0	24.0	27.5	33.5	32.5	33.0	29.0	26.0	27.5	9.5	9.0	9.0
26	32.0	29.5	30.5	33.5	30.5	32.0	29.5	26.0	27.5	9.5	9.5	9.5
27	33.0	30.0	31.5	30.5	19.5	26.0	30.0	27.5	28.5	9.5	9.5	9.5
28	34.0	31.0	32.0	20.0	18.0	18.5	29.5	28.0	28.5	10.0	9.5	9.5
29	35.0	32.0	33.5	22.5	17.0	20.0	30.5	27.5	29.0	10.0	9.5	9.5
30	35.5	33.5	34.5	17.0	13.5	15.0	30.0	28.0	29.0	9.5	9.5	9.5
31	35.0	23.5	28.0	---	---	---	29.0	28.0	28.5	9.5	9.0	9.0

02197328 FOUR MILE CREEK NEAR JACKSON, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.0	8.0	8.5	28.5	23.5	26.0	14.5	13.5	14.0	34.0	30.0	32.0
2	8.0	7.5	8.0	23.0	21.5	22.0	14.5	14.0	14.0	35.0	30.0	32.5
3	7.5	7.0	7.5	28.0	22.0	24.5	14.0	13.5	14.0	34.5	31.0	33.0
4	8.0	7.0	7.5	27.0	11.5	18.0	14.0	13.0	13.5	36.5	31.0	33.5
5	8.0	7.5	8.0	29.5	26.5	28.0	14.0	13.5	14.0	36.0	32.5	34.0
6	8.0	8.0	8.0	32.5	28.5	30.0	14.0	13.5	14.0	34.0	23.5	27.0
7	8.0	8.0	8.0	33.0	29.5	31.0	14.5	14.0	14.0	26.0	20.0	23.0
8	8.0	8.0	8.0	32.0	28.0	30.0	14.5	14.0	14.5	33.0	25.0	29.5
9	8.0	8.0	8.0	30.0	13.0	21.0	15.0	14.5	14.5	33.5	31.0	32.0
10	8.0	7.5	8.0	13.0	12.5	12.5	15.0	14.5	15.0	35.5	30.0	32.5
11	8.5	7.5	8.0	13.5	13.0	13.0	15.5	14.5	15.0	36.5	32.0	34.0
12	7.5	7.0	7.5	13.0	10.0	11.5	15.5	15.0	15.5	38.5	33.5	35.5
13	8.0	7.5	8.0	10.0	9.5	9.5	15.5	15.0	15.5	38.0	34.0	36.0
14	8.5	8.0	8.5	10.0	9.0	9.5	16.0	15.5	15.5	38.0	35.0	36.5
15	9.0	8.5	8.5	10.5	9.5	10.0	15.5	14.5	15.0	38.0	34.5	36.0
16	13.5	9.0	11.0	11.5	10.0	10.5	15.0	14.0	14.5	36.0	34.0	35.0
17	13.5	11.5	12.5	12.0	11.5	12.0	15.0	14.5	15.0	34.5	33.0	33.5
18	23.5	12.0	17.5	12.5	12.0	12.5	15.5	15.0	15.0	39.0	34.0	36.0
19	28.5	22.5	25.0	13.0	12.5	12.5	15.0	15.0	15.0	39.0	35.5	37.0
20	29.0	26.5	27.5	13.0	13.0	13.0	15.5	15.0	15.0	36.5	34.5	35.5
21	31.5	28.5	29.5	13.5	13.0	13.0	16.0	15.0	15.5	39.5	34.0	36.5
22	31.0	30.0	30.5	13.5	12.5	13.0	16.0	15.5	16.0	37.5	35.0	36.0
23	32.0	23.0	29.0	13.5	12.5	13.0	16.5	16.0	16.0	35.0	20.0	23.5
24	22.5	18.5	19.5	13.5	12.5	13.0	17.0	16.5	16.5	20.5	18.5	19.0
25	18.5	15.0	17.0	13.0	12.5	12.5	17.5	17.0	17.0	23.0	18.5	19.5
26	16.0	9.0	12.5	13.0	12.5	13.0	17.5	17.5	17.5	28.0	23.0	25.0
27	26.5	16.0	22.0	13.0	12.5	12.5	17.5	17.0	17.5	28.0	18.0	20.5
28	29.5	26.0	27.5	13.0	12.0	12.5	24.5	17.0	19.0	18.5	17.5	18.0
29	31.0	27.0	29.0	12.5	12.0	12.0	31.0	25.0	28.5	19.0	17.5	18.0
30	---	---	---	13.0	12.0	12.5	33.0	29.0	30.5	19.0	18.0	18.5
31	---	---	---	14.0	13.0	13.5	---	---	---	19.0	18.0	18.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.0	18.5	20.0	40.0	35.5	---	40.0	38.0	---	30.5	26.0	28.0
2	38.0	25.0	32.5	40.0	36.0	---	40.0	38.0	---	30.5	26.5	28.5
3	37.0	20.5	27.0	40.0	36.5	38.5	40.0	38.0	---	30.5	27.0	28.5
4	20.5	18.5	19.5	40.0	37.0	---	40.0	37.5	---	30.5	27.0	28.5
5	19.5	18.5	19.0	40.0	36.5	---	40.0	38.0	---	30.5	27.0	28.5
6	19.5	18.5	19.0	40.0	37.5	---	40.0	31.5	---	29.5	27.5	28.0
7	19.5	19.0	19.0	40.0	36.5	---	36.0	28.0	32.0	30.0	27.5	28.5
8	20.5	19.0	19.5	40.0	37.0	---	39.5	31.5	35.5	30.0	27.0	28.5
9	21.5	20.0	20.5	40.0	37.0	---	40.0	35.5	---	29.5	26.5	27.5
10	21.5	19.0	21.0	40.0	37.0	---	40.0	37.0	---	28.0	25.0	26.0
11	20.0	18.5	19.0	40.0	38.0	---	40.0	37.0	---	28.0	25.0	26.0
12	19.5	18.5	19.0	40.0	38.5	---	40.0	37.5	---	28.0	25.0	26.5
13	20.0	19.0	19.5	40.0	38.5	---	40.0	38.0	---	28.0	24.5	26.0
14	19.5	19.0	19.5	40.0	37.5	---	39.5	30.0	33.5	29.5	25.5	27.0
15	28.0	20.0	22.5	40.0	37.5	---	31.0	27.0	29.0	29.0	26.0	27.5
16	31.5	28.5	30.5	40.0	37.5	---	31.0	27.0	29.0	29.0	25.0	27.0
17	30.5	27.5	28.5	40.0	37.5	---	30.5	27.0	28.0	28.5	26.0	27.0
18	28.0	24.5	26.0	40.0	37.5	---	30.5	25.5	27.5	28.0	25.5	26.5
19	28.5	24.0	26.0	40.0	38.0	---	30.5	26.0	28.0	29.5	26.0	27.5
20	30.5	25.5	27.5	40.0	37.5	---	31.5	26.0	28.5	29.0	26.5	27.5
21	29.5	25.5	27.5	39.0	32.0	36.5	31.5	26.0	29.0	29.0	26.0	27.0
22	29.0	23.0	26.0	33.5	27.0	30.5	30.5	26.0	28.5	29.0	26.5	28.0
23	28.5	23.5	26.0	37.0	29.5	33.0	29.5	26.0	28.0	30.0	26.5	28.0
24	35.0	28.0	32.0	38.5	34.5	36.5	28.0	25.5	27.0	29.5	27.0	28.0
25	36.0	33.0	34.5	40.0	35.0	36.0	27.5	24.5	26.0	28.5	25.5	27.0
26	37.0	33.5	35.0	40.0	34.5	36.5	28.0	24.0	26.0	28.5	24.5	26.5
27	40.0	35.0	---	40.0	36.0	---	28.5	24.5	26.5	27.5	23.5	25.0
28	40.0	36.5	---	40.0	37.0	---	29.0	25.5	27.0	23.5	20.0	21.5
29	40.0	37.0	---	40.0	37.5	---	28.5	25.5	27.0	20.0	19.0	19.0
30	40.0	36.5	---	40.0	37.0	---	30.0	25.5	27.5	20.5	19.0	19.5
31	---	---	---	40.0	38.0	---	30.0	26.5	28.0	---	---	---
YEAR	40.0	7.0	22.5									

02197330 SITE NO. 1 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°17'00", long 81°39'00", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, at pipe culvert 100 ft (30 m) above Road E, 2000 ft (610 m) southwest of H Area.

DRAINAGE AREA.--0.13 mi^2 (0.34 km^2).

PERIOD OF RECORD.--August 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 260 ft (79 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Mar. 9 to Apr. 9, and July 24 to Sept. 4, which are poor, and periods when discharge was over 25 ft^3/s (0.71 m^3/s) which are undefined. Flow completely regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--8 years, 1.42 ft^3/s (0.0402 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.82 ft (2.384 m) Jan. 19, 1978, discharge not determined; minimum daily, 0.07 ft^3/s (0.002 m^3/s) Sept. 6, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.48 ft (1.061 m), Nov. 2, discharge not determined; minimum daily, 0.07 ft^3/s (0.002 m^3/s) Sept. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.2	.88	1.6	1.7	1.5	2.1	1.8	.54	1.0	.90	.15
2	1.2	3.4	1.4	1.6	1.6	2.2	1.7	1.9	.80	.92	.80	.15
3	1.1	1.1	1.6	1.5	1.6	1.6	2.0	1.5	1.3	1.1	.60	.15
4	1.4	1.1	1.2	2.1	1.4	2.1	2.0	1.5	1.2	1.2	.60	.18
5	1.5	1.5	1.3	1.9	2.3	2.4	1.6	2.4	1.0	.38	.90	.18
6	1.1	1.1	1.4	1.7	2.5	2.1	1.6	1.3	.70	1.3	.28	.07
7	.89	1.5	1.2	1.8	2.8	2.2	1.5	1.1	.59	1.0	.90	.24
8	1.1	1.1	1.7	1.4	2.8	2.5	1.6	1.3	.97	1.0	1.0	.28
9	1.1	1.1	1.9	1.0	3.3	2.1	2.1	1.4	1.0	.82	1.0	.22
10	1.2	1.3	1.6	.81	3.5	1.9	1.6	1.2	1.0	.86	.80	.11
11	1.1	3.6	1.2	1.6	2.8	1.8	1.4	1.3	1.1	1.0	.70	.13
12	1.1	1.6	1.6	.92	2.6	1.9	1.4	1.2	1.5	.51	1.2	.39
13	1.1	1.3	1.5	1.2	2.6	4.0	1.4	1.2	1.1	.57	.90	.39
14	1.4	1.4	1.4	1.8	2.7	3.4	1.5	.23	1.4	.56	.90	.37
15	1.2	1.5	1.3	1.0	2.7	2.3	1.3	.60	1.1	.94	.90	.26
16	1.0	1.4	1.5	1.5	2.3	2.1	1.4	.58	1.1	1.3	.80	.45
17	1.4	1.2	1.2	1.0	2.3	2.7	1.7	.68	1.3	1.5	.40	.35
18	.84	1.2	1.6	2.1	1.8	2.6	1.5	.50	2.2	1.3	.80	1.0
19	.76	1.1	1.6	1.2	2.2	2.0	1.3	.64	1.5	1.1	1.2	.33
20	1.0	1.1	1.6	.91	2.2	1.9	1.1	.55	.71	1.8	1.1	1.3
21	.68	1.3	1.3	1.3	2.6	2.2	1.3	.63	.96	.73	1.0	.28
22	1.0	1.1	1.6	1.4	2.3	1.8	1.9	.68	1.1	.30	1.0	.23
23	1.1	1.3	1.6	1.8	2.5	1.6	1.7	1.1	1.3	.75	.80	.56
24	1.1	1.1	1.5	1.2	1.9	1.8	1.5	1.3	1.0	.75	.70	.92
25	1.1	1.1	1.5	1.4	2.0	2.6	1.3	.61	1.3	1.1	.70	2.2
26	1.1	1.0	1.7	1.5	2.1	2.4	1.3	.59	.98	.70	.50	.97
27	1.3	1.1	1.5	1.9	2.1	2.6	1.7	.53	1.0	.70	.40	.56
28	1.5	1.5	1.7	1.2	1.9	3.1	1.3	.66	.93	.70	.50	2.5
29	1.5	1.1	1.7	1.4	2.0	2.2	1.3	.62	.99	.80	.40	2.2
30	1.2	1.5	2.3	1.9	---	3.0	1.4	.64	1.5	.80	.30	2.2
31	1.4	---	1.7	1.6	---	2.4	---	.24	---	.85	.20	---
TOTAL	35.67	41.9	46.78	45.24	67.1	71.0	46.5	30.48	33.17	28.34	23.18	19.32
MEAN	1.15	1.40	1.51	1.46	2.31	2.29	1.55	.98	1.11	.91	.75	.64
MAX	1.5	3.6	2.3	2.1	3.5	4.0	2.1	2.4	2.2	1.8	1.2	2.5
MIN	.68	1.0	.88	.81	1.4	1.5	1.1	.23	.54	.30	.20	.07

WTR YR 1980 TOTAL 488.68 MEAN 1.34 MAX 4.0 MIN .07

02197332 SITE NO. 2 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'50", long 81°39'00", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on woods road 300 ft (91 m) south of SRP Road E and 2,700 ft (823 m) southwest of H Area.

DRAINAGE AREA.--0.30 mi^2 (0.78 km^2).

PERIOD OF RECORD.--September 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 250 ft (76 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Feb. 5 to Mar. 4, and July 1 to Sept. 4, which are poor, and periods when discharge was over 16 ft^3/s (0.45 m^3/s), which are undefined. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--8 years, 1.47 ft^3/s (0.0416 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 9.56 ft (2.914 m) July 27, 1974, discharge not determined; minimum daily, 0.24 ft^3/s (.0068 m^3/s) Dec. 2, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.85 ft (1.783 m), Nov. 2, discharge not determined; minimum daily, 0.65 ft^3/s (0.018 m^3/s June 30, July 1.

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.3	2.2	1.5	1.8	1.6	2.2	1.4	1.7	.64	.64	.84
2	1.4	6.3	1.9	1.6	1.9	1.9	2.1	1.4	1.9	.72	.60	.72
3	1.6	3.5	1.8	1.9	1.9	1.9	2.3	1.2	1.5	.84	.56	.84
4	2.0	2.0	2.1	1.6	1.7	2.0	2.3	1.1	1.7	.72	.56	1.7
5	2.4	2.2	1.8	1.6	1.7	3.6	2.0	1.6	1.6	.56	.72	1.2
6	1.5	2.3	2.3	1.7	2.0	2.7	2.1	1.4	1.5	.92	1.1	1.4
7	1.2	2.6	1.9	2.0	2.0	2.7	1.8	1.4	1.4	1.0	.88	.82
8	1.7	1.4	1.7	1.8	1.7	4.0	2.3	1.6	1.3	.84	1.0	.90
9	1.7	1.7	1.4	1.7	2.6	2.7	2.3	1.5	1.5	.64	1.1	1.1
10	1.4	2.4	1.2	1.8	4.6	1.9	1.5	1.7	1.4	.64	1.2	.82
11	1.6	5.6	1.2	2.0	2.8	1.8	1.6	1.3	1.4	.72	1.1	1.3
12	1.1	2.1	1.4	1.6	2.4	5.5	1.6	1.3	1.5	.56	.96	.79
13	.99	1.7	1.2	1.6	2.2	5.4	2.1	1.2	1.8	.56	.84	1.1
14	1.2	2.2	1.3	2.1	2.2	2.9	1.9	1.3	1.8	.56	.92	1.0
15	1.2	2.1	1.2	1.6	2.0	2.4	1.7	1.2	2.2	.72	.92	1.2
16	1.4	1.7	1.4	2.3	2.8	2.5	1.5	1.2	1.8	.50	.60	1.4
17	1.4	1.3	1.2	2.5	2.2	3.2	1.2	1.3	2.4	.50	.56	1.4
18	1.4	1.0	1.1	2.6	1.9	2.9	1.5	1.5	3.6	.40	.72	1.6
19	1.3	1.2	1.2	2.0	2.0	2.0	1.9	1.2	2.0	.40	.96	1.8
20	1.1	1.1	1.4	1.5	2.0	2.2	1.6	1.6	1.5	.60	1.0	2.8
21	1.6	2.0	1.4	1.6	2.0	2.5	1.9	1.4	1.2	.72	.92	1.7
22	1.2	1.7	1.4	1.7	2.2	1.6	1.5	1.8	1.5	.72	.92	1.6
23	1.5	1.3	1.3	2.2	2.2	1.8	1.3	2.3	1.4	.76	.76	1.7
24	1.5	1.7	1.8	1.7	1.9	2.2	1.6	2.9	1.9	.76	.76	2.6
25	1.7	1.8	2.1	1.7	1.8	2.0	1.7	2.0	1.8	.88	.76	4.0
26	1.5	1.8	1.6	2.2	1.8	1.5	1.8	2.0	1.3	.72	.72	2.5
27	1.3	1.6	1.5	2.4	1.8	1.7	1.7	1.6	.88	.72	.72	1.8
28	1.3	1.4	1.5	1.7	1.7	4.6	1.6	1.6	.86	.60	.76	3.8
29	1.6	1.5	1.3	1.5	1.7	3.5	1.6	1.5	.65	.60	.64	5.5
30	1.5	2.0	2.4	1.3	---	4.4	1.5	1.6	.65	.64	.60	5.0
31	1.3	---	1.7	2.1	---	2.9	---	1.7	---	.64	.64	---
TOTAL	45.29	62.5	48.9	57.1	61.5	84.5	53.7	47.8	47.64	20.80	25.14	54.93
MEAN	1.46	2.08	1.58	1.84	2.12	2.73	1.79	1.54	1.59	.67	.81	1.83
MAX	2.4	6.3	2.4	2.6	4.6	5.5	2.3	2.9	3.6	1.0	1.2	5.5
MIN	.99	1.0	1.1	1.3	1.7	1.5	1.2	1.1	.65	.40	.56	.72

WTR YR 1980 TOTAL 609.80 MEAN 1.67 MAX 6.3 MIN .40

02197334 SITE NO. 3 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'31", long 81°39'12", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on Four Mile Creek at right bank on downstream side of bridge on SRP Road 4, 0.8 mi (1.3 km) southwest of H Area.

DRAINAGE AREA.--5.95 mi^2 (15.41 km^2).

PERIOD OF RECORD.--September 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 205 ft (62 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, June 5 to July 1, July 16 to Aug. 5, and Aug. 7 to Sept. 4, which are poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--8 years, 8.04 ft^3/s (0.228 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 149 ft^3/s (4.220 m^3/s) Feb. 24, 1979, gage height, 3.67 ft (1.119 m); minimum daily, 0.61 ft^3/s (0.017 m^3/s) June 6, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 110 ft^3/s (3.115 m^3/s), Nov. 2, gage height, 3.01 ft (0.917 m); minimum daily, 1.6 ft^3/s (0.045 m^3/s) Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	4.7	7.0	7.7	9.8	8.3	25	8.6	3.7	1.6	1.6	2.1
2	5.8	23	6.9	7.3	8.8	9.4	21	8.6	3.8	1.8	1.5	1.8
3	6.2	34	6.6	7.1	8.7	9.7	20	8.1	3.2	2.1	1.4	2.1
4	7.1	11	6.8	7.7	8.2	10	25	7.9	3.1	1.8	1.4	2.1
5	12	9.3	6.5	8.1	8.4	12	19	8.9	3.0	1.4	1.8	2.1
6	7.0	8.6	9.7	6.9	10	12	18	7.8	3.1	2.3	2.7	2.1
7	5.5	8.8	9.2	7.0	10	10	16	7.0	2.9	2.5	2.2	1.6
8	5.4	6.9	7.3	6.8	8.7	27	21	7.7	2.9	2.1	2.6	1.8
9	5.2	7.1	6.9	6.8	13	25	26	8.9	2.9	1.6	2.8	2.1
10	5.0	7.9	6.3	6.2	23	16	18	7.7	3.1	1.6	3.0	1.4
11	5.2	42	6.2	9.6	14	14	16	6.8	2.8	1.8	2.7	2.1
12	4.5	26	6.6	7.2	12	35	16	6.8	2.6	1.4	2.4	2.3
13	4.1	15	6.3	6.4	11	79	17	6.0	2.8	1.4	2.1	2.5
14	4.4	13	6.5	10	11	37	19	4.8	2.8	1.4	2.3	2.3
15	4.1	12	6.0	7.9	10	25	16	4.8	2.9	1.8	2.3	2.3
16	4.4	11	8.3	7.8	14	21	14	4.6	1.9	1.8	1.5	2.9
17	5.0	9.9	6.5	7.8	11	21	13	5.4	3.1	1.8	1.4	2.7
18	4.5	9.1	6.2	13	9.7	27	13	6.0	7.0	1.5	1.8	2.9
19	4.2	8.7	6.3	9.8	10	19	13	5.1	5.7	1.5	2.4	2.9
20	4.3	8.1	6.2	7.4	9.8	20	13	6.5	3.7	1.5	2.5	6.7
21	4.5	8.9	5.9	7.3	9.8	30	12	6.9	3.1	1.8	2.3	3.4
22	4.3	8.4	6.1	7.9	11	21	11	6.6	2.9	1.8	2.3	2.7
23	5.3	7.9	5.9	13	11	18	10	11	2.9	1.9	1.9	2.9
24	5.6	7.6	7.2	8.8	9.6	21	10	19	3.3	1.9	1.9	6.1
25	5.3	8.0	9.2	7.9	9.1	22	10	8.4	4.7	2.2	1.9	18
26	4.8	9.6	6.8	11	8.9	17	9.9	6.8	3.6	1.8	1.8	9.3
27	4.5	7.9	6.0	15	8.8	17	9.9	5.5	3.3	1.8	1.8	4.9
28	4.9	7.4	6.1	11	8.4	44	9.1	4.9	3.0	1.8	1.9	9.8
29	5.0	7.0	5.9	9.2	8.3	48	9.2	4.4	2.8	1.5	1.6	22
30	4.8	7.2	12	8.8	---	49	9.0	4.2	2.7	1.5	1.5	16
31	4.6	---	9.7	12	---	35	---	3.4	---	1.6	1.6	---
TOTAL	164.4	356.0	219.1	270.4	306.0	759.4	459.1	219.1	99.3	54.3	62.9	143.9
MEAN	5.30	11.9	7.07	8.72	10.6	24.5	15.3	7.07	3.31	1.75	2.03	4.80
MAX	12	42	12	15	23	79	26	19	7.0	2.5	3.0	22
MIN	4.1	4.7	5.9	6.2	8.2	8.3	9.0	3.4	1.9	1.4	1.4	1.4

WTR YR 1980 TOTAL 3113.9 MEAN 8.51 MAX 79 MIN 1.4

02197336 SITE NO. 4 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'21", long 81°39'55", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on Four Mile Creek at left bank, 200 ft (61 m) above SRP Road C, 0.8 mi (1.3 km) downstream of site 3, 0.8 mi (1.3 km) southeast of F Area.

DRAINAGE AREA.--6.96 mi^2 (18.03 km^2).

PERIOD OF RECORD.--August 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 195 ft (59 m) (from topographic map).

REMARKS.--Records poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--8 years, 9.10 ft^3/s (0.258 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 4.89 ft (1.490 m) Nov. 2, 1980, discharge not determined; minimum daily, 1.8 ft^3/s (0.051 m^3/s) Sept. 18, 1968, July 18, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.89 ft (1.490 m), Nov. 2, discharge not determined; minimum daily, 1.8 ft^3/s (0.051 m^3/s) July 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	5.6	9.5	9.2	9.9	9.0	25	9.2	4.5	2.8	2.0	2.6
2	7.9	43	7.4	9.0	9.0	9.8	22	8.7	3.6	2.1	1.9	2.7
3	7.7	26	7.0	9.0	9.0	10	22	8.7	3.4	2.1	1.8	2.6
4	8.6	9.8	7.3	9.7	8.5	11	23	8.7	3.5	2.2	1.8	2.6
5	12	8.0	7.0	9.3	8.5	12	19	9.2	3.2	2.1	2.2	2.5
6	8.2	7.9	8.3	8.7	10	12	18	7.8	3.3	2.6	2.6	2.5
7	6.9	7.9	8.0	8.6	11	11	17	7.6	3.1	2.6	2.6	2.4
8	6.7	7.4	9.4	8.7	9.0	23	21	8.2	3.1	2.4	3.4	2.7
9	6.6	8.0	7.4	3.7	13	25	25	10	3.1	2.0	3.4	2.6
10	6.5	8.5	6.8	8.6	15	18	19	8.7	3.3	1.9	4.3	2.5
11	6.6	31	6.8	10	15	15	17	7.1	3.0	1.9	3.1	2.6
12	6.2	20	7.0	9.0	13	28	17	7.0	2.8	2.2	2.7	3.0
13	5.8	13	6.8	8.4	12	60	18	6.4	3.0	1.9	2.5	3.0
14	5.8	12	7.0	10	12	40	19	5.4	3.0	1.9	2.8	2.8
15	5.9	11	6.4	9.0	10	30	16	5.1	3.1	2.1	2.9	2.9
16	6.0	11	9.6	8.8	13	22	15	5.1	2.1	2.2	2.2	3.1
17	6.1	9.9	7.0	9.0	12	22	14	5.9	3.3	2.1	2.2	3.3
18	6.2	9.7	6.8	11	11	24	14	6.2	10	1.8	2.6	3.4
19	5.8	9.5	6.8	9.8	11	20	14	5.8	5.9	2.1	3.1	3.6
20	5.8	9.3	6.8	8.4	11	20	13	6.7	3.9	2.1	3.3	6.7
21	6.0	9.7	6.3	8.1	11	25	12	7.0	3.3	2.1	3.1	5.1
22	5.7	10	6.4	8.4	12	23	12	7.0	3.1	2.1	3.0	4.4
23	6.1	10	6.3	11	11	19	11	10	3.1	2.3	2.6	4.3
24	6.3	9.8	9.4	8.8	10	22	10	21	3.5	2.4	2.8	6.9
25	6.1	10	8.0	8.3	10	22	10	9.7	5.1	2.6	2.6	25
26	5.8	11	7.3	11	9.8	18	10	7.1	4.0	2.2	2.4	13
27	5.6	10	6.4	15	9.8	17	10	5.5	3.5	2.2	2.4	7.1
28	5.5	9.7	6.4	11	9.5	40	9.7	5.1	3.2	2.2	2.6	11
29	5.5	10	6.3	9.5	9.0	46	10	4.8	3.1	2.0	2.3	23
30	5.7	9.9	13	9.0	---	49	9.7	4.8	3.0	1.8	2.3	18
31	5.5	---	11	12	---	40	---	3.6	---	1.9	2.5	---
TOTAL	210.1	368.6	235.9	295.0	315.0	742.8	472.4	233.1	109.1	66.9	82.0	177.9
MEAN	6.78	12.3	7.61	9.52	10.9	24.0	15.7	7.52	3.64	2.16	2.65	5.93
MAX	15	43	13	15	15	60	25	21	10	2.8	4.3	25
MIN	5.5	5.6	6.3	8.1	8.5	9.0	9.7	3.6	2.1	1.8	1.8	2.4

WTR YR 1980 TOTAL 3308.8 MEAN 9.04 MAX 60 MIN 1.8

02197338 SITE NO. 5 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'50", long 81°40'15", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, at upstream end of pipe culvert at SRP Road E, 600 ft (183 m) southeast of Area F, 0.5 mi (0.8 km) east of SRP Road C.

DRAINAGE AREA.--0.28 mi^2 (0.73 km^2).

PERIOD OF RECORD.--September 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 260 ft (79 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Apr. 1 to May 5, which are poor and periods when discharge was over 45 ft^3/s (1.274 m^3/s) which are undefined. Flow completely regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--8 years, 2.49 ft^3/s (0.0705 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.94 ft^3/s (2.420 m^3/s) Aug. 5, 1974, discharge not determined; minimum daily, 0.80 ft^3/s (0.023 m^3/s) May 27, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.48 ft (1.670 m), Nov. 2, discharge not determined; minimum daily, 1.0 ft^3/s (0.028 m^3/s) May 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.4	2.4	2.0	2.6	2.0	4.1	1.8	1.8	1.7	1.8	2.3
2	2.4	11	2.2	2.1	2.5	2.2	3.2	2.0	2.0	1.9	1.9	2.2
3	2.4	2.5	2.0	2.5	2.6	2.0	3.2	1.5	1.8	1.8	1.9	1.9
4	3.9	2.2	2.0	3.1	2.7	2.0	3.0	1.0	1.8	2.1	2.0	2.0
5	2.3	2.2	1.6	2.0	2.2	2.5	3.0	.90	1.8	1.8	2.0	2.0
6	2.3	2.2	2.2	2.0	2.0	2.0	3.0	1.0	1.8	2.3	2.8	1.7
7	2.2	2.0	1.7	2.0	1.9	1.9	2.8	1.3	1.8	1.9	2.0	2.1
8	2.2	2.0	1.7	2.0	1.7	5.0	3.0	1.7	1.8	2.0	2.5	1.9
9	2.2	2.1	1.8	2.0	4.2	1.9	3.2	1.7	1.8	1.8	2.5	1.9
10	2.2	2.1	2.1	2.2	3.7	2.0	2.7	1.6	2.4	1.8	2.2	1.9
11	2.2	7.0	1.8	2.3	2.1	1.6	2.5	1.7	2.2	1.9	1.9	2.0
12	2.3	2.1	1.8	2.1	1.9	10	2.5	1.5	1.7	3.5	1.8	2.2
13	2.3	2.1	1.6	2.1	2.0	3.7	2.6	1.5	1.8	2.5	1.6	2.1
14	2.1	2.1	1.6	2.5	1.9	2.4	3.0	1.7	1.7	1.8	2.1	2.1
15	2.3	2.1	1.8	2.1	1.9	2.2	2.5	1.5	1.6	2.3	2.1	2.0
16	2.3	2.2	1.8	2.1	2.7	2.1	2.4	1.9	1.6	2.5	1.5	1.9
17	2.1	1.9	1.8	2.1	1.9	3.4	2.0	2.0	2.4	2.3	1.6	2.3
18	2.2	1.8	1.8	2.8	1.9	2.6	2.0	2.0	3.6	1.1	2.0	2.0
19	2.0	1.7	1.8	2.1	1.9	2.5	2.0	2.3	2.0	2.4	2.9	2.0
20	2.1	1.8	1.7	2.1	1.9	2.6	1.0	2.6	1.9	1.9	1.8	2.6
21	2.2	1.8	1.7	2.2	2.3	4.1	1.5	1.8	1.8	1.9	1.7	2.5
22	2.1	1.7	1.9	2.7	2.0	2.9	2.0	2.7	1.7	2.0	1.9	2.3
23	2.1	1.7	1.8	3.0	1.8	2.8	2.5	3.9	1.7	1.9	1.8	2.3
24	2.2	1.7	2.1	2.4	1.8	3.2	2.5	2.4	2.0	2.0	1.8	3.3
25	2.3	1.9	1.7	2.4	1.7	2.7	2.0	1.9	2.9	1.9	1.8	5.2
26	2.2	1.9	1.7	3.2	1.9	3.2	2.0	1.9	1.8	1.8	1.8	2.7
27	2.2	1.7	1.7	3.3	1.9	3.5	2.0	1.8	1.8	1.8	1.8	2.4
28	2.2	1.7	1.6	2.5	1.5	7.8	1.8	1.7	1.9	2.0	1.9	5.6
29	2.2	3.2	1.7	2.5	1.9	3.4	2.0	1.8	2.1	1.9	1.9	6.0
30	2.3	2.1	3.4	2.5	---	5.4	1.5	1.8	1.8	1.6	1.9	5.6
31	2.3	---	2.1	3.1	---	3.6	---	1.8	---	1.8	2.3	---
TOTAL	70.8	74.9	58.6	74.0	63.0	99.2	73.5	56.70	58.8	61.9	61.5	79.0
MEAN	2.28	2.50	1.89	2.39	2.17	3.20	2.45	1.83	1.96	2.00	1.98	2.63
MAX	3.9	11	3.4	3.3	4.2	10	4.1	3.9	3.6	3.5	2.9	6.0
MIN	2.0	1.7	1.6	2.0	1.5	1.6	1.0	.90	1.6	1.1	1.5	1.7

WTR YR 1980 TOTAL 831.90 MEAN 2.27 MAX 11 MIN .90

02197340 SITE NO. 6 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'23", long 81°40'05", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, at left bank of Four Mile Creek, 100 ft (30 m) upstream from SRP Road C, 0.7 mi (1.1 km) southeast of Area F.

DRAINAGE AREA.--7.53 mi^2 (19.50 km^2).

PERIOD OF RECORD.--September 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 193 ft (59 m) (from topographic map).

REMARKS.--Records fair. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--8 years, 12.99 ft^3/s (0.368 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 288 ft^3/s (8.16 m^3/s, Nov. 2, 1980, gage height, 5.15 ft (1.570 m); minimum daily, 4.1 ft^3/s (0.12 m^3/s) Dec. 23, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 288 ft^3/s (8.16 m^3/s), Nov. 2, gage height, 5.15 ft (1.570 m); minimum daily, 4.3 ft^3/s (0.12 m^3/s) Aug. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	8.8	16	16	13	13	48	11	6.3	4.8	5.0	5.3
2	10	71	15	16	12	15	28	11	6.5	5.5	4.7	5.5
3	10	40	15	16	11	14	28	11	6.5	6.0	4.5	4.9
4	11	17	14	17	11	15	32	10	5.8	6.3	4.3	5.1
5	16	14	15	16	10	17	26	11	5.5	6.0	4.9	4.8
6	11	13	18	15	13	17	24	9.2	5.5	7.5	5.5	4.7
7	9.1	13	18	14	13	14	23	8.9	5.1	7.1	5.7	4.6
8	8.7	13	16	15	11	29	27	9.8	5.2	6.3	7.9	5.2
9	8.5	14	15	15	14	25	30	12	4.9	5.7	7.4	5.0
10	8.6	15	15	14	22	19	24	12	5.4	5.2	10	4.7
11	8.8	47	14	17	15	17	22	9.0	5.2	5.5	6.8	4.9
12	8.1	31	14	15	15	45	24	8.9	5.0	6.4	5.8	5.5
13	7.7	22	14	14	14	89	23	7.9	5.2	5.5	5.2	5.5
14	7.7	20	14	16	14	42	26	7.3	5.3	5.0	6.1	5.2
15	7.8	18	14	15	13	32	22	7.0	5.3	5.9	6.1	5.0
16	8.3	18	16	14	17	29	21	7.1	4.6	6.3	4.7	5.2
17	8.5	17	14	15	15	29	19	8.3	5.8	6.1	4.6	5.5
18	8.6	17	12	18	13	34	18	8.8	19	4.8	5.5	5.7
19	8.3	16	13	15	14	28	19	8.0	12	6.2	6.5	6.0
20	8.1	16	14	13	13	28	14	9.9	7.1	6.2	7.2	13
21	8.5	17	15	13	13	36	16	9.8	5.8	6.0	6.5	9.2
22	8.2	17	15	13	14	29	15	10	5.4	6.1	6.1	7.4
23	9.0	17	15	17	15	26	14	15	5.3	6.7	5.3	7.4
24	9.4	17	17	13	13	28	14	24	6.5	6.8	5.8	11
25	8.9	18	18	13	13	29	13	12	10	7.4	4.8	38
26	8.8	19	16	14	12	26	13	9.4	7.5	6.4	4.7	23
27	8.2	17	16	18	13	27	13	7.8	6.3	6.4	4.9	14
28	8.1	17	15	14	12	49	13	7.2	5.6	6.4	5.2	20
29	8.3	17	15	13	12	49	13	6.8	5.5	5.9	4.7	37
30	8.7	17	20	12	---	49	12	6.7	5.2	5.4	4.6	30
31	8.3	---	18	15	---	40	---	6.4	---	5.7	5.2	---
TOTAL	281.2	613.8	476	461	390	939	634	303.2	194.3	187.5	176.2	308.3
MEAN	9.07	20.5	15.4	14.9	13.4	30.3	21.1	9.78	6.48	6.05	5.68	10.3
MAX	16	71	20	18	22	89	48	24	19	7.5	10	38
MIN	7.7	8.8	12	12	10	13	12	6.4	4.6	4.8	4.3	4.6

WTR YR 1980 TOTAL 4964.5 MEAN 13.6 MAX 89 MIN 4.3

02197342 SITE NO. 7 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°14'40", long 81°41'45", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on right upstream end of concrete culvert pipe on Four Mile Creek at SRP Road A-7, 1.0 mi (1.6 km) southwest of Area C.

DRAINAGE AREA.--12.5 mi² (32.4 km²).

PERIOD OF RECORD.--September 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 155 ft (47 m) (from topographic map).

REMARKS.--Records good. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--8 years, 18.44 ft³/s (0.522 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 213 ft³/s (6.03 m³/s) Feb. 2, 1973, gage height, 4.80 ft (1.463 m); minimum daily, 5.1 ft³/s (0.14 m³/s) Oct. 3, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 204 ft³/s (5.78 m³/s), Nov. 3, gage height, 4.70 ft (1.433 m); minimum daily, 5.3 ft³/s (0.15 m³/s) Aug. 30, Sept. 9, 15-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	12	17	18	23	16	45	16	11	8.5	6.6	6.5
2	15	31	17	17	18	17	36	16	11	8.4	6.1	5.9
3	14	106	17	16	18	18	34	15	11	8.4	6.2	5.7
4	14	30	15	18	18	18	45	15	10	9.2	6.0	5.5
5	28	19	17	19	18	21	34	16	9.4	12	6.1	5.5
6	18	17	25	16	20	24	29	15	9.7	9.2	7.0	5.9
7	14	17	23	16	22	18	27	14	11	15	10	5.2
8	12	17	17	16	19	54	30	14	9.1	9.6	9.2	5.6
9	12	16	16	17	25	57	51	18	8.6	8.7	13	5.3
10	12	16	15	16	59	30	32	16	8.4	7.9	12	5.4
11	13	70	15	21	31	24	26	15	9.0	7.5	10	5.5
12	13	67	15	19	23	44	27	14	8.0	8.0	8.0	5.9
13	12	33	16	16	21	148	30	13	8.4	7.6	8.1	5.4
14	11	26	15	23	20	73	36	12	8.9	6.9	8.1	5.6
15	11	24	16	20	20	46	29	12	9.0	7.0	7.9	5.3
16	12	22	19	17	32	37	25	12	7.8	7.3	7.3	5.3
17	12	20	17	17	26	34	23	13	9.8	7.3	6.5	5.5
18	12	19	15	27	20	55	22	16	32	6.6	7.1	5.9
19	11	19	15	25	19	36	28	14	32	6.7	7.2	6.0
20	11	18	15	18	19	34	22	16	14	6.9	13	10
21	11	18	15	17	19	56	20	17	11	7.4	8.5	12
22	11	18	15	17	21	39	20	18	10	7.6	9.3	9.7
23	11	18	15	33	25	30	18	26	10	8.2	7.2	7.2
24	13	17	16	22	19	34	18	60	11	8.3	6.6	7.7
25	12	18	22	18	18	39	17	24	17	11	6.4	60
26	12	20	17	23	17	30	17	17	16	9.7	6.0	36
27	12	19	16	38	17	31	17	15	12	8.0	5.7	14
28	12	17	15	24	16	74	17	13	10	7.6	5.4	15
29	12	17	15	20	16	95	17	12	10	7.1	5.5	60
30	12	18	27	18	---	85	17	11	9.1	6.8	5.3	37
31	12	---	25	26	---	67	---	11	---	6.4	5.7	---
TOTAL	406	779	535	628	639	1384	809	516	354.2	256.8	237.0	375.5
MEAN	13.1	26.0	17.3	20.3	22.0	44.6	27.0	16.6	11.8	8.28	7.65	12.5
MAX	28	106	27	38	59	148	51	60	32	15	13	60
MIN	11	12	15	16	16	16	17	11	7.8	6.4	5.3	5.2

WTR YR 1980 TOTAL 6919.5 MEAN 18.9 MAX 148 MIN 5.2

02197344 FOUR MILE CREEK AT ROAD A-12.2 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°11'21", long 81°43'26", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on left downstream side of bridge on SRP Road A-12.2, 500 ft (152 m) northwest of SRP Road A-13, 1.0 mi (1.6 km) southeast of Area D.

DRAINAGE AREA.--22.0 mi² (57.0 km²).

PERIOD OF RECORD.--November 1976 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m) (from topographic map).

REMARKS.--Records good. No estimates of discharge made for periods of no gage height record, Feb. 7 to Mar. 6 and July 21 to Aug. 7. Flow completely regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 903 ft³/s (25.6 m³/s) Mar. 13, 1980, gage height, 3.93 ft (1.198 m); minimum daily, 28 ft³/s (0.79 m³/s) July 4, 5, 6, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 903 ft³/s (25.6 m³/s), Mar. 13, gage height, 3.93 ft (1.198 m); minimum daily, 31 ft³/s (0.88 m³/s) Sept. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	353	200	381	373	184	---	500	451	452	438	---	86
2	359	257	379	371	175	---	488	448	454	442	---	83
3	344	344	383	368	344	---	490	449	457	443	---	72
4	348	224	385	370	374	---	510	451	458	440	---	70
5	341	208	290	369	369	---	484	454	457	444	---	69
6	360	209	195	365	195	446	475	456	455	446	---	36
7	350	197	244	364	278	440	473	448	453	453	410	32
8	347	211	384	366	---	513	493	452	452	444	409	32
9	346	359	378	366	---	524	514	452	453	439	413	32
10	348	356	379	363	---	459	485	450	453	437	409	31
11	348	487	374	371	---	447	476	450	455	438	406	73
12	350	450	372	367	---	518	483	452	456	437	404	67
13	349	385	374	363	---	830	493	450	458	437	407	50
14	347	374	310	375	---	542	248	451	459	437	412	49
15	349	367	374	372	---	482	216	452	461	434	343	51
16	350	362	379	366	---	469	210	450	195	435	174	49
17	352	363	370	368	---	472	207	461	180	436	155	52
18	351	360	367	386	---	500	209	465	214	433	178	53
19	351	359	365	384	---	472	216	459	189	431	243	53
20	351	362	365	373	---	475	354	462	195	434	244	59
21	350	363	365	373	---	516	460	461	351	428	235	60
22	352	365	365	379	---	485	456	478	454	---	188	59
23	357	369	366	399	---	469	455	515	454	---	135	54
24	360	371	370	378	---	482	447	558	460	---	105	77
25	357	372	376	373	---	490	446	476	475	---	85	111
26	355	378	371	389	---	478	448	457	455	---	86	79
27	353	380	366	412	---	475	450	450	443	---	85	53
28	354	377	363	187	---	577	449	451	438	---	86	82
29	357	374	364	159	---	610	450	453	435	---	86	97
30	355	381	386	171	---	581	451	455	434	---	86	96
31	215	---	385	196	---	539	---	459	---	---	85	---
TOTAL	10759	10164	11125	10816	---	---	12536	14276	12205	---	---	1867
MEAN	347	339	359	349	---	---	418	461	407	---	---	62.2
MAX	360	487	386	412	---	---	514	558	475	---	---	111
MIN	215	197	195	159	---	---	207	448	180	---	---	31

02197348 PEN BRANCH AT ROAD A-13.2 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°09'34", long 81°41'08", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on left downstream side of bridge on SRP Road A-13.2, 700 ft (213 m) downstream from Seaboard Coastline Railroad bridge, 600 ft (183 m) west of intersection of SRP Roads A-17 and A-17.1.

DRAINAGE AREA.--21.2 mi^2 (54.9 km^2).

PERIOD OF RECORD.--November 1976 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 100 ft (30 m) (from topographic map).

REMARKS.--Records good. No estimates of discharge made for periods of no gage height record, Oct. 15 to Nov. 2, May 6 to June 3, June 17 to July 2, July 4 to Aug. 8, and Aug. 10 to Sept. 30. Flow completely regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 948 ft^3/s (26.8 m^3/s) Mar. 13, 1980, gage height, 3.81 ft (1.161 m); minimum daily, 21 ft^3/s (0.59 m^3/s) Aug. 4, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 948 ft^3/s (26.8 m^3/s), Mar. 13, gage height, 3.81 ft (1.161 m); minimum daily, 34 ft^3/s (0.96 m^3/s) June 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	420	431	447	436	440	409	---	---	---	
2	---	276	418	427	440	438	434	407	---	444	---	
3	383	243	175	418	436	266	432	406	61	450	---	
4	401	139	215	425	169	448	452	406	60	453	---	
5	428	128	198	426	140	452	428	410	56	---	---	
6	421	126	180	422	196	459	424	405	49	---	---	
7	408	130	240	421	198	448	212	---	41	---	---	
8	398	136	231	426	192	562	166	---	34	---	364	
9	385	145	185	429	206	534	187	---	42	---	368	
10	385	318	165	424	337	466	173	---	36	---	377	
11	385	505	156	437	451	451	382	---	42	---	---	
12	387	528	237	433	440	520	423	---	68	---	---	
13	388	454	422	423	432	751	237	---	119	---	---	
14	389	439	420	437	434	507	436	---	137	---	---	
15	385	427	436	433	434	456	408	---	160	---	---	
16	---	421	447	434	471	442	401	---	143	---	---	
17	---	422	438	434	449	442	398	---	183	---	---	
18	---	418	432	452	430	456	394	---	---	---	---	
19	---	412	419	449	435	439	399	---	---	---	---	
20	---	410	425	440	433	445	404	---	---	---	---	
21	---	417	420	444	434	476	401	---	---	---	---	
22	---	420	420	451	436	441	402	---	---	---	---	
23	---	422	421	477	450	429	410	---	---	---	---	
24	---	417	425	459	436	437	410	---	---	---	---	
25	---	423	430	453	434	438	403	---	---	---	---	
26	---	429	424	464	429	425	406	---	---	---	---	
27	---	422	421	479	431	424	405	---	---	---	---	
28	---	417	421	453	436	520	405	---	---	---	---	
29	---	416	415	442	437	525	406	---	---	---	---	
30	---	419	439	435	---	498	406	---	---	---	---	
31	---	---	438	454	---	471	---	---	---	---	---	
TOTAL	---	---	10933	13632	11093	14502	11284	---	---	---	---	
MEAN	---	---	353	440	383	468	376	---	---	---	---	
MAX	---	---	447	479	471	751	452	---	---	---	---	
MIN	---	---	156	418	140	266	166	---	---	---	---	

02197357 STEEL CREEK NEAR SNELLING, S.C.

LOCATION.--Lat 33°05'46", long 81°37'04", Barnwell County, Hydrologic Unit 03060106, 15.4 mi (24.8 km) upstream from Lower Three Runs at mile 141.6.

PERIOD OF RECORD.--Water year 1980 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 31.0°C July 13, 1980; minimum, 2.5°C Mar. 3, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 31.0°C July 13; minimum, 2.5°C Mar. 3.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.5	22.0	23.0	19.5	18.0	18.5	8.5	7.0	7.5	11.0	9.5	10.5
2	23.5	22.0	22.5	20.5	19.0	19.5	7.5	7.0	7.0	9.5	8.5	9.0
3	22.5	21.0	21.5	20.0	18.0	19.0	7.0	6.0	6.5	9.0	8.0	8.5
4	21.0	19.5	20.5	17.5	14.0	15.5	6.5	5.5	6.0	9.0	8.5	8.5
5	20.5	18.5	19.5	14.0	12.5	13.0	7.0	5.5	6.0	8.5	7.0	8.0
6	18.5	17.0	18.0	14.0	12.0	13.0	8.0	7.0	7.5	7.0	6.0	6.5
7	18.5	17.0	17.5	14.0	12.0	13.0	10.0	8.5	9.0	7.0	5.0	6.0
8	18.0	16.0	17.0	13.5	11.5	12.5	11.0	9.5	10.5	9.5	7.0	8.5
9	18.5	16.5	17.5	14.5	12.0	13.5	11.0	10.0	10.5	12.0	9.5	11.0
10	18.5	17.5	18.0	17.5	14.5	16.0	10.0	9.0	9.5	12.0	11.0	11.5
11	17.5	16.5	17.0	18.0	17.5	17.5	10.0	8.5	9.5	11.5	11.0	11.0
12	17.0	15.5	16.5	17.5	16.0	16.5	11.0	9.5	10.5	12.5	11.5	12.0
13	18.5	16.0	17.5	16.0	14.5	15.0	13.0	11.0	12.0	11.5	9.0	10.0
14	18.0	15.5	17.0	14.5	13.0	13.5	13.5	13.0	13.5	9.0	8.5	9.0
15	15.5	14.0	15.0	13.0	11.0	11.5	13.0	11.5	12.0	10.5	9.0	9.5
16	16.0	14.5	15.5	11.5	10.5	11.0	11.0	10.5	10.5	12.0	10.0	10.5
17	17.5	16.0	16.5	11.5	10.5	11.0	10.0	8.5	9.5	13.5	12.0	12.5
18	19.0	17.5	18.5	13.0	11.5	12.0	8.5	7.0	7.5	15.0	13.5	14.0
19	20.5	19.0	19.5	14.0	12.5	13.0	7.0	6.0	6.5	14.5	13.5	14.0
20	20.0	20.0	20.5	14.0	12.5	13.5	8.0	6.5	7.0	14.0	12.5	13.0
21	22.0	20.0	21.0	14.5	11.0	13.5	8.5	7.5	8.0	13.0	12.0	12.5
22	21.5	20.5	21.0	15.5	13.5	14.5	9.5	8.5	9.0	13.5	13.0	13.0
23	21.0	20.0	21.0	17.5	15.0	16.0	11.5	9.5	10.5	14.0	12.0	13.5
24	20.0	17.5	18.5	18.5	17.0	18.0	13.5	11.0	12.5	12.0	10.5	11.0
25	17.0	15.5	16.5	19.5	18.5	19.0	13.0	11.0	12.0	10.5	10.0	10.5
26	16.0	14.5	15.5	19.5	17.5	19.0	10.5	9.5	10.0	10.0	10.0	10.0
27	15.0	13.5	14.0	17.0	15.5	16.0	10.0	8.5	9.5	10.0	10.0	10.0
28	15.0	13.5	14.0	15.5	14.5	15.0	9.5	8.5	9.0	10.0	10.0	10.0
29	16.0	14.0	15.0	14.5	11.0	13.0	10.0	8.5	9.5	10.0	9.5	10.0
30	18.0	16.0	17.0	11.0	8.5	9.5	10.5	9.5	10.0	9.5	9.5	9.5
31	19.0	17.5	18.0	---	---	---	11.0	10.5	10.5	9.5	8.5	9.0

02197357 STEEL CREEK NEAR SNELLING, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	7.0	7.5	12.5	8.5	10.5	14.0	13.5	14.0	18.0	16.5	17.0
2	6.5	5.5	6.0	8.0	4.0	5.5	14.5	13.5	13.5	19.0	16.0	17.5
3	6.0	5.5	5.5	5.5	2.5	4.0	14.5	13.5	14.0	18.5	17.0	17.5
4	6.0	5.5	5.5	7.0	3.5	5.0	15.0	14.0	14.5	20.0	16.5	18.5
5	5.5	5.0	5.5	9.0	6.5	7.5	14.5	14.0	14.0	20.5	18.5	19.5
6	5.5	5.0	5.0	12.0	9.0	10.5	14.0	13.0	13.5	21.0	18.5	19.5
7	5.5	4.5	5.0	14.0	11.5	13.0	14.5	13.5	14.0	21.5	17.5	20.0
8	6.0	5.0	5.5	15.5	14.5	15.0	15.0	14.0	14.5	21.0	20.0	20.5
9	6.5	6.0	6.0	17.0	15.5	16.5	15.5	14.5	15.0	20.0	18.0	19.0
10	7.5	6.5	7.0	17.0	16.0	16.5	15.5	14.5	15.0	19.0	16.0	17.5
11	7.5	6.5	7.0	17.5	16.0	16.5	15.5	14.5	15.0	20.0	17.0	18.5
12	7.5	6.5	7.0	16.5	13.0	15.0	15.5	14.5	15.0	22.5	19.0	20.5
13	8.0	7.0	7.5	13.0	12.0	12.5	15.5	15.0	15.5	23.5	20.5	22.0
14	8.5	7.0	8.0	12.0	11.0	11.5	16.0	15.5	16.0	24.0	22.0	22.5
15	9.5	8.0	9.0	11.5	10.5	10.5	16.0	15.0	15.5	23.5	22.0	22.5
16	10.5	9.5	10.0	11.0	10.0	10.5	15.0	14.5	15.0	22.5	21.0	22.0
17	10.5	9.5	10.0	12.0	10.5	11.5	15.0	14.0	14.5	21.0	20.5	20.5
18	9.5	8.0	9.0	13.0	12.0	12.5	15.0	14.0	14.5	22.5	20.5	21.5
19	8.5	6.5	7.5	13.0	12.5	13.0	15.5	15.0	15.0	23.5	21.5	22.0
20	10.0	8.0	9.0	13.0	13.0	13.0	15.5	15.0	15.0	22.0	21.5	21.5
21	12.5	10.0	11.0	14.0	13.0	13.5	16.0	15.0	15.5	---	---	---
22	14.5	12.5	13.5	13.5	13.0	13.5	16.5	15.0	16.0	---	---	---
23	17.0	14.5	15.5	13.5	13.0	13.0	17.0	16.0	16.5	---	---	---
24	18.0	16.5	17.0	13.5	13.0	13.0	17.5	16.5	17.0	---	---	---
25	18.0	16.0	17.5	13.5	13.0	13.0	18.0	17.0	17.5	---	---	---
26	15.5	10.0	12.0	13.5	13.0	13.5	18.0	17.0	17.5	---	---	---
27	10.0	8.0	9.5	13.0	12.5	13.0	18.0	17.0	17.5	---	---	---
28	12.0	9.0	10.5	13.0	12.5	13.0	17.5	17.0	17.5	---	---	---
29	13.5	11.5	12.5	12.5	12.5	12.5	18.0	17.0	17.5	---	---	---
30	---	---	---	13.0	12.5	12.5	18.5	16.5	17.5	---	---	---
31	---	---	---	13.5	12.5	13.0	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	27.0	24.5	26.0	28.5	26.5	27.5	27.0	23.5	25.5
2	---	---	---	27.5	24.5	26.0	28.5	26.5	27.5	27.0	24.5	26.0
3	---	---	---	27.5	25.5	26.5	28.5	26.5	27.5	27.5	25.0	26.0
4	---	---	---	28.0	26.0	27.0	28.5	26.5	27.5	27.0	25.0	26.0
5	---	---	---	29.0	26.5	27.5	29.0	27.0	28.0	27.0	24.5	26.0
6	---	---	---	30.0	27.5	28.5	29.0	27.0	28.0	27.0	25.0	26.0
7	---	---	---	29.0	27.0	28.0	29.0	27.0	28.0	27.0	25.0	26.0
8	---	---	---	29.0	26.5	27.5	29.0	27.0	28.0	26.5	24.5	25.5
9	---	---	---	29.0	26.5	27.5	28.5	26.5	27.5	26.0	24.0	25.0
10	---	---	---	29.0	26.0	27.5	28.0	26.0	27.0	24.5	23.0	24.0
11	---	---	---	30.0	27.0	28.0	27.5	26.0	27.0	25.5	23.0	24.0
12	---	---	---	30.5	28.0	29.0	28.0	26.0	27.0	25.5	23.0	24.0
13	---	---	---	31.0	28.5	29.5	28.5	26.5	27.5	25.0	23.0	24.0
14	---	---	---	30.0	28.0	29.0	28.5	26.5	27.5	25.5	23.0	24.0
15	---	---	---	29.5	27.0	28.5	28.0	26.5	27.5	26.0	23.5	24.5
16	---	---	---	29.0	26.5	28.0	28.0	26.5	27.5	26.0	23.0	24.5
17	---	---	---	29.0	26.5	27.5	27.5	26.0	27.0	25.5	24.5	25.0
18	---	---	---	29.0	27.0	28.0	27.0	24.5	26.0	26.0	24.0	25.0
19	---	---	---	29.0	27.0	28.0	27.0	25.5	26.5	26.0	24.5	25.5
20	---	---	---	29.0	27.0	28.0	27.5	25.5	26.5	25.0	24.5	25.0
21	---	---	---	29.0	26.5	27.5	28.0	26.0	27.0	26.5	24.0	25.0
22	---	---	---	28.0	26.0	27.0	28.0	26.5	27.0	26.5	25.0	25.5
23	---	---	---	28.0	26.0	26.5	27.0	25.5	26.5	27.0	25.0	26.0
24	---	---	---	27.5	25.5	26.5	26.0	24.0	25.0	27.0	25.5	26.0
25	---	---	---	26.5	25.5	26.0	24.5	23.0	23.5	26.0	25.0	25.5
26	---	---	---	27.0	25.0	26.0	24.5	22.0	23.0	26.0	24.0	25.0
27	26.0	23.5	25.0	26.5	25.5	26.0	25.0	22.0	23.5	25.0	22.0	23.5
28	27.5	24.0	25.5	27.5	25.0	26.0	25.5	22.5	24.0	21.5	19.5	20.5
29	28.0	25.0	26.5	27.0	25.5	26.5	26.0	23.0	24.0	19.0	18.5	18.5
30	28.0	26.0	27.0	27.5	25.0	26.5	26.0	23.0	24.5	19.0	18.5	18.5
31	---	---	---	28.0	25.5	27.0	26.5	23.5	25.0	---	---	---
YEAR	31.0	2.5	17.0									

02197359 STEEL CREEK AT OLD HATTIESVILLE BRIDGE (SAVANNAH RIVER PLANT), S.C.

LOCATION.--Lat 33°07'05", long 81°37'43", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, 0.5 mi (.80 km) downstream from Seaboard Coastline Railroad bridge, 1.0 mi (1.6 km) west of eastern boundary fence.

DRAINAGE AREA.--34.4 mi^2 (89.1 km^2).

PERIOD OF RECORD.--March 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 95 ft (29 m) (from topographic map).

REMARKS.--Records good. No estimates of discharges made for periods of no gage height record, Feb. 1 to Feb. 6, July 6 to Aug. 8, Aug. 9 to Sept. 5, and Sept. 23 to Sept. 30. Flow completely regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 460 ft^3/s (13.0 m^3/s) Feb. 24, 1979, gage height, 4.50 ft (1.372 m); minimum daily, 11 ft^3/s (0.31 m^3/s) Aug. 8, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 380 ft^3/s (10.8 m^3/s), Mar. 13, gage height, 4.31 ft (1.314 m); minimum daily, 1.5 ft^3/s (0.042 m^3/s) June 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	30	35	58	58	48	93	34	64	46	---	---
2	41	57	36	47	---	49	102	34	55	32	---	---
3	36	182	33	39	---	52	97	33	44	16	---	---
4	33	75	43	39	---	52	119	32	28	19	---	---
5	55	47	44	41	---	56	85	36	36	17	---	31
6	49	36	97	39	70	69	75	33	33	14	---	33
7	38	32	132	38	57	54	73	28	17	---	---	38
8	34	38	103	39	47	114	82	28	16	---	60	39
9	32	37	80	44	56	171	121	31	19	---	59	39
10	32	48	64	47	104	88	80	32	15	---	---	48
11	29	124	75	63	71	71	66	33	23	---	---	43
12	24	186	75	56	53	93	68	32	27	---	---	44
13	22	90	58	50	50	308	95	32	42	---	---	38
14	23	73	54	62	49	159	86	30	45	---	---	39
15	23	59	54	60	41	100	69	29	34	---	---	39
16	28	54	71	49	85	86	57	25	50	---	---	38
17	38	52	59	48	85	81	49	38	34	---	---	39
18	46	48	50	61	55	107	52	52	64	---	---	41
19	45	47	41	59	52	84	53	53	105	---	---	42
20	36	49	38	51	48	81	57	85	55	---	---	58
21	34	49	38	49	46	101	53	60	46	---	---	72
22	38	46	40	45	50	88	50	62	27	---	---	50
23	44	46	40	63	78	71	45	93	26	---	---	36
24	57	46	41	44	70	74	46	123	27	---	---	---
25	48	47	50	37	62	82	40	80	79	---	---	---
26	42	55	40	53	46	70	40	63	63	---	---	---
27	41	45	37	83	49	72	40	60	73	---	---	---
28	38	46	37	59	48	113	37	72	63	---	---	---
29	47	35	46	60	48	155	36	73	51	---	---	---
30	57	35	65	54	---	133	35	59	41	---	---	---
31	31	---	73	59	---	119	---	54	---	---	---	---
TOTAL	1197	1814	1749	1596	---	3001	2001	1529	1302	---	---	---
MEAN	38.6	60.5	56.4	51.5	---	96.8	66.7	49.3	43.4	---	---	---
MAX	57	186	132	83	---	308	121	123	105	---	---	---
MIN	22	30	33	37	---	48	35	25	15	---	---	---

02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETT, S.C.

LOCATION.--Lat 33°04'58", long 81°35'54", Allendale County, Hydrologic Unit 03060106, on left bank 2.8 mi (4.5 km) downstream from Steel Creek, 12.6 mi (20.3 km) upstream from Lower Three Runs, 3.7 mi (6.0 km) west of Millett and at mile 138.8 (223.3 km).

PERIOD OF RECORD.--Water years 1972 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1971 to current year.

INSTRUMENTATION.--Servo Programmer since October 1971.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 27.5°C July 9, Aug. 6, 1980; minimum, 4.0°C Jan. 20, 1977.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 27.5°C July 9, Aug. 6; minimum, 6.5°C Feb. 3-5, Mar. 4.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.0	23.0	23.5	20.0	19.0	19.5	14.0	11.5	13.0	11.5	11.0	11.0
2	24.0	23.0	23.5	20.5	19.0	20.0	14.0	12.0	13.0	11.0	10.5	10.5
3	23.5	23.0	23.5	20.5	19.5	20.0	14.0	12.5	13.5	10.5	10.0	10.5
4	23.0	22.0	22.5	19.5	18.0	19.0	12.0	11.0	11.5	10.5	10.0	10.5
5	22.5	21.5	22.0	18.0	17.5	17.5	---	---	---	10.0	10.0	10.0
6	21.5	20.5	21.0	17.5	16.5	17.0	---	---	---	10.0	9.0	9.5
7	21.0	20.0	20.5	17.0	16.5	17.0	---	---	---	9.5	8.5	9.0
8	21.0	19.5	20.5	17.5	16.5	17.0	---	---	---	10.0	9.5	10.0
9	21.5	20.0	21.0	18.0	17.0	17.5	---	---	---	10.5	10.0	10.5
10	21.0	21.0	21.0	19.0	17.5	18.0	---	---	---	10.5	10.5	10.5
11	21.0	20.5	21.0	19.0	18.5	19.0	---	---	---	11.0	10.5	10.5
12	21.0	20.0	20.5	18.5	18.0	18.5	---	---	---	11.0	10.5	10.5
13	21.0	20.0	20.5	19.0	17.0	17.5	---	---	---	11.0	10.0	10.5
14	21.0	20.0	20.5	17.0	17.0	17.0	---	---	---	10.0	9.5	10.0
15	20.0	19.5	20.0	17.0	16.5	17.0	---	---	---	10.5	9.5	10.0
16	20.0	19.0	19.5	16.5	16.0	16.5	---	---	---	10.5	9.5	10.0
17	20.5	19.0	20.0	16.5	15.0	16.0	---	---	---	11.0	10.5	11.0
18	21.5	20.0	21.0	16.0	15.5	16.0	11.5	11.5	11.5	12.0	11.0	11.5
19	22.0	21.0	21.5	16.5	15.5	16.0	11.5	11.0	11.5	12.0	11.0	11.5
20	22.5	21.5	22.0	17.0	16.0	16.5	11.5	11.0	11.5	11.0	10.5	11.0
21	22.5	21.5	22.0	16.5	16.0	16.5	11.5	11.0	11.0	11.0	10.5	11.0
22	22.5	22.0	22.5	17.0	16.0	16.5	11.5	11.0	11.0	11.0	10.5	11.0
23	22.5	21.5	22.0	17.5	16.5	17.0	12.0	11.5	11.5	10.5	10.0	10.0
24	22.0	20.5	21.0	18.0	17.0	17.5	13.0	12.0	12.5	10.0	9.5	9.5
25	20.5	19.5	20.0	18.5	17.5	18.0	12.5	12.0	12.5	9.5	9.0	9.0
26	19.5	19.0	19.0	18.5	17.5	18.0	12.0	11.5	12.0	9.5	9.5	9.5
27	19.0	18.5	19.5	18.0	16.5	17.5	12.0	11.5	11.5	9.5	9.5	9.5
28	19.0	18.0	18.5	16.5	13.0	14.5	11.5	11.0	11.0	10.0	9.5	9.5
29	19.5	18.5	19.0	13.5	11.5	12.5	11.5	10.5	11.0	10.0	9.5	9.5
30	20.0	18.5	19.5	14.0	12.5	13.0	11.5	11.5	11.5	9.5	9.5	9.5
31	20.0	19.0	19.5	---	---	---	11.5	10.5	11.5	9.5	8.5	9.0

02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETT, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	7.5	8.0	11.5	10.0	11.0	14.0	13.0	13.5	17.5	16.5	17.0
2	7.5	7.0	7.0	10.0	8.5	9.0	14.0	13.5	14.0	18.0	16.5	17.0
3	7.0	6.5	6.5	8.5	7.5	8.0	14.5	14.0	14.0	18.0	17.0	17.5
4	7.0	6.5	6.5	7.5	6.5	7.0	14.5	14.0	14.0	18.5	16.5	17.5
5	7.5	6.5	7.0	9.0	7.5	8.5	14.0	13.5	14.0	18.5	18.0	18.0
6	7.5	7.0	7.0	11.0	9.0	10.0	14.0	13.5	13.5	19.0	18.5	18.5
7	7.5	7.0	7.0	12.0	11.0	11.5	14.0	14.0	14.0	19.0	18.5	19.0
8	7.5	7.0	7.5	12.5	12.0	12.0	14.5	14.0	14.5	19.5	18.5	19.0
9	7.5	7.5	7.5	12.5	12.0	12.5	15.0	14.5	15.0	19.5	19.0	19.5
10	7.5	7.0	7.5	12.5	11.5	12.0	15.0	14.5	15.0	19.5	18.5	19.0
11	7.5	7.0	7.5	13.0	12.5	13.0	15.0	14.5	15.0	19.5	18.5	19.0
12	7.5	7.0	7.0	13.0	10.5	12.0	15.0	15.0	15.0	21.0	19.0	20.0
13	7.5	7.0	7.5	10.0	9.5	9.5	15.5	15.0	15.5	22.0	20.5	21.0
14	8.0	7.5	8.0	10.0	9.0	9.5	16.0	15.5	15.5	22.0	21.0	21.5
15	9.0	8.0	8.5	10.0	9.5	10.0	15.5	15.0	15.0	22.0	21.0	21.5
16	9.5	8.5	9.0	10.5	10.0	10.0	15.0	14.0	14.5	21.5	20.5	21.0
17	9.5	9.0	9.5	11.5	10.5	11.0	15.0	14.5	14.5	21.0	20.0	20.5
18	9.0	8.5	9.0	12.5	12.0	12.0	15.0	14.5	15.0	21.5	19.5	20.5
19	9.0	8.0	8.5	12.5	12.0	12.5	15.0	15.0	15.0	21.5	20.5	21.0
20	9.5	8.5	9.0	13.0	12.5	12.5	15.5	14.5	15.0	20.5	20.0	20.5
21	10.0	9.0	9.5	13.5	12.5	13.0	16.0	15.0	15.5	21.0	19.5	20.0
22	11.0	10.0	10.5	13.5	12.5	13.0	16.0	15.5	16.0	20.5	19.5	19.5
23	12.5	11.0	11.5	13.0	12.5	12.5	17.0	15.5	16.0	19.5	18.0	19.0
24	13.0	12.0	12.5	13.0	13.0	13.0	17.5	16.5	17.0	18.0	17.5	18.0
25	13.0	12.5	13.0	13.0	12.5	12.5	18.0	17.0	17.5	18.5	17.5	18.0
26	12.5	11.0	11.5	13.0	12.5	12.5	17.5	17.0	17.5	19.0	18.5	19.0
27	11.0	10.0	10.5	12.5	12.5	12.5	18.0	17.5	17.5	19.5	18.5	19.0
28	11.0	10.0	10.5	12.5	12.0	12.5	18.0	17.0	17.5	18.5	17.5	18.0
29	11.5	10.5	11.0	12.0	12.0	12.0	18.0	17.0	17.5	18.5	17.5	18.0
30	---	---	---	12.5	12.0	12.5	18.0	17.0	17.5	19.0	18.0	18.5
31	---	---	---	13.5	12.5	13.0	---	---	---	19.0	18.5	18.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	19.0	19.0	25.5	24.0	24.5	25.0	24.5	25.0	25.5	24.0	24.5
2	21.5	19.5	20.5	25.0	24.0	24.5	25.5	24.5	25.0	26.5	23.5	25.5
3	22.5	21.0	22.0	24.5	23.0	23.5	26.0	25.5	25.5	26.5	24.5	25.5
4	21.0	19.0	19.5	24.0	22.5	23.5	26.5	25.0	26.0	26.5	25.0	25.5
5	19.0	18.0	18.5	24.5	23.0	23.5	27.0	25.0	26.0	26.0	24.5	25.5
6	19.5	18.0	19.0	25.0	23.0	24.0	27.5	26.0	26.5	26.0	25.0	25.5
7	20.0	19.0	19.5	25.5	24.5	25.0	27.0	25.0	26.0	25.5	25.0	25.0
8	20.5	19.0	19.5	26.5	25.0	26.0	26.5	25.5	26.0	25.5	24.5	25.0
9	21.0	20.0	20.5	27.5	25.5	26.5	26.0	25.0	25.5	26.0	24.5	25.0
10	21.0	20.0	20.5	27.0	25.5	26.0	25.5	24.0	25.0	25.0	24.5	24.5
11	19.5	18.5	19.0	25.5	24.0	25.0	25.5	23.5	24.5	24.5	24.0	24.5
12	19.5	18.5	19.0	25.5	23.5	24.5	25.5	24.5	25.0	25.0	24.0	24.5
13	19.5	18.5	19.0	25.5	22.5	24.5	26.0	24.5	25.5	25.0	23.5	24.5
14	19.5	19.0	19.0	25.5	24.5	25.0	25.5	24.5	25.0	25.5	24.0	24.5
15	21.0	19.5	20.0	26.0	23.5	25.0	25.5	24.5	25.0	25.5	24.0	25.0
16	22.5	20.5	21.5	26.0	23.5	25.0	26.0	25.0	25.5	25.5	24.0	25.0
17	22.5	22.0	22.5	26.0	24.5	25.0	25.5	24.5	25.0	25.5	24.5	25.0
18	23.0	22.0	22.5	26.0	24.5	25.5	25.5	24.5	25.0	24.5	23.5	24.0
19	22.0	21.0	21.5	26.0	25.0	25.5	26.0	24.5	25.5	25.5	24.0	24.5
20	22.0	21.0	21.5	26.5	25.0	25.5	25.5	25.0	25.0	25.5	24.5	25.0
21	23.0	21.5	22.0	26.5	24.5	25.5	25.5	25.0	25.5	25.5	24.5	25.0
22	23.0	22.0	22.5	26.5	25.0	26.0	26.5	25.0	25.5	25.5	24.5	25.0
23	23.5	22.0	23.0	26.5	25.0	26.0	26.5	25.0	25.5	26.0	24.5	25.0
24	23.5	22.0	23.0	26.5	25.0	25.5	26.0	25.0	25.5	26.0	25.0	25.5
25	24.0	23.0	23.5	25.0	24.0	24.5	25.5	24.5	24.5	26.0	24.5	25.0
26	23.5	22.5	23.0	25.0	23.5	24.5	25.0	23.5	24.5	25.0	24.5	25.0
27	24.0	22.5	23.0	25.0	24.0	24.5	25.0	23.5	24.5	24.5	23.5	24.5
28	24.5	23.5	24.0	25.5	23.5	24.5	25.5	24.0	24.5	23.5	22.0	23.0
29	25.0	23.5	24.0	26.0	24.0	25.0	25.5	24.0	24.5	22.0	20.5	21.5
30	25.0	24.0	25.0	26.5	24.5	25.5	25.5	24.5	25.0	20.5	20.0	20.5
31	---	---	---	26.5	25.0	25.5	25.5	24.0	25.0	---	---	---
YEAR	27.5	6.5	18.0									

02197380 LOWER THREE RUNS BELOW PAR POND AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°14'07", long 81°31'00", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on right wingwall of spillway culvert below Par Pond, 200 ft (61 m) upstream of SRP Road B bridge.

DRAINAGE AREA.--34.9 mi^2 (90.4 km^2).

PERIOD OF RECORD.--May 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 145 ft (44 m) (from topographic map).

REMARKS.--Records fair, except those for periods of no gage height record, July 6 to Aug. 8 and Sept. 1 to Sept. 5, which are poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--6 years, 35.1 ft^3/s (0.994 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 152 ft^3/s (4.30 m^3/s) May 30, 1977, gage height, 3.10 ft (0.945 m); minimum daily, 2.1 ft^3/s (0.060 m^3/s) Nov. 6, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 130 ft^3/s (3.68 m^3/s), Mar. 31, gage height, 2.92 ft (0.890 m); minimum daily, 6.1 ft^3/s (0.17 m^3/s) Aug. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	11	31	48	50	51	108	53	19	14	13	36
2	39	14	32	45	48	52	120	52	17	13	12	33
3	36	23	31	38	48	51	105	51	16	13	11	31
4	33	22	31	38	47	50	100	51	16	15	11	29
5	36	22	33	40	46	52	91	51	15	17	8.0	27
6	32	22	34	39	42	55	86	51	14	18	8.0	25
7	30	23	30	39	48	54	83	40	14	14	6.5	23
8	27	24	26	40	48	69	91	50	15	13	6.1	22
9	26	25	24	41	51	75	106	51	14	13	7.6	20
10	24	25	20	41	61	72	102	49	13	12	8.8	18
11	22	48	20	46	63	69	95	48	11	8.0	6.1	17
12	21	50	24	46	59	89	93	47	9.8	8.0	7.2	16
13	20	43	22	45	53	115	97	46	7.9	6.5	10	14
14	18	37	21	48	54	107	97	46	7.1	6.0	10	13
15	15	35	22	48	54	127	89	45	6.7	6.0	11	12
16	13	34	26	48	56	120	82	43	6.7	5.5	13	11
17	13	33	28	47	51	115	76	44	6.3	5.5	15	8.9
18	13	34	28	51	48	122	73	47	12	6.0	18	7.2
19	12	33	29	51	46	112	74	45	13	8.0	22	7.0
20	12	30	29	51	46	112	72	47	13	6.5	33	7.5
21	12	29	30	51	46	123	70	46	13	6.0	33	7.4
22	11	29	30	53	48	114	68	44	14	6.0	37	7.9
23	11	30	31	57	51	106	66	43	15	12	36	7.9
24	11	30	33	52	52	106	63	46	18	20	36	8.0
25	11	30	37	48	54	107	62	43	20	16	36	21
26	10	34	36	48	55	102	60	38	20	20	35	23
27	9.4	32	36	50	52	99	59	34	18	25	35	22
28	8.9	32	36	46	52	97	58	30	17	23	35	23
29	12	33	36	47	51	107	56	27	16	21	35	33
30	12	31	41	47	---	126	55	24	17	15	35	37
31	11	---	45	50	---	122	---	22	---	14	35	---
TOTAL	603.3	898	932	1439	1480	2878	2457	1354	414.5	386.0	625.3	567.8
MEAN	19.5	29.9	30.1	46.4	51.0	92.8	81.9	43.7	13.8	12.5	20.2	18.9
MAX	42	50	45	57	63	127	120	53	20	25	37	37
MIN	8.9	11	20	38	42	50	55	22	6.3	5.5	6.1	7.0

WTR YR 1980 TOTAL 14034.9 MEAN 38.3 MAX 127 MIN 5.5

02197400 LOWER THREE RUNS NEAR SNELLING, S.C.

LOCATION.--Lat 33°10'35", long 81°28'50", Barnwell County, Hydrologic Unit 03060106, near left bank at upstream side of bridge on State road 20, 1.0 mi (1.6 km) upstream from Patterson Branch and 4.7 mi (7.6 km) south of Snelling.

DRAINAGE AREA.--59.3 mi^2 (153.6 km^2).

PERIOD OF RECORD.--March 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (36 m) from Topographic Branch.

REMARKS.--Records good, except those below 70 ft^3/s (1.982 m^3/s), which are fair and period of missing record June 26 to Aug. 8, which is poor.

AVERAGE DISCHARGE.--6 years, 102 ft^3/s (2.889 m^3/s), 23.36 in/yr (593 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 735 ft^3/s (20.8 m^3/s) Mar. 13, 1980, gage height, 3.99 ft (1.216 m); minimum daily, 24 ft^3/s (0.68 m^3/s) July 16, 17, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 735 ft^3/s (20.8 m^3/s) Mar. 13; maximum gage height, 3.99 ft (1.216 m); minimum daily, 24 ft^3/s (0.68 m^3/s) July 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	44	88	128	154	116	287	118	59	46	36	79
2	88	53	88	127	134	118	258	114	55	40	34	78
3	79	123	86	114	128	119	247	111	51	34	32	73
4	72	82	85	107	125	118	256	110	50	32	32	67
5	92	71	86	114	123	121	224	108	49	34	30	64
6	80	68	110	108	140	150	207	110	47	36	30	60
7	68	69	121	105	148	130	200	107	48	40	28	57
8	63	70	88	107	130	239	215	102	47	42	28	53
9	59	72	75	116	144	309	275	110	44	38	31	49
10	57	74	69	111	256	200	232	107	40	34	62	47
11	56	229	65	167	195	183	220	102	38	30	38	46
12	51	306	68	142	172	245	217	100	37	30	32	43
13	50	167	72	125	158	625	247	98	37	28	32	39
14	48	132	69	165	142	329	239	93	34	26	32	37
15	44	114	69	158	142	270	222	93	33	26	32	34
16	44	108	107	134	183	250	203	90	31	24	34	32
17	43	105	89	130	181	245	193	90	30	24	44	30
18	42	102	81	156	132	293	183	107	89	26	48	29
19	41	100	80	161	123	250	183	156	78	30	50	29
20	42	96	80	142	118	245	186	261	54	28	195	33
21	41	89	81	136	118	287	176	146	50	26	116	35
22	41	88	82	138	123	258	167	123	47	26	142	32
23	44	89	84	188	148	232	161	132	47	34	93	33
24	51	90	88	167	134	232	154	158	60	50	86	30
25	44	92	113	138	128	250	142	123	73	44	82	179
26	43	130	102	150	128	227	136	105	80	50	80	89
27	41	111	96	207	125	227	134	92	75	60	79	64
28	40	98	95	154	121	329	130	82	85	55	78	80
29	42	95	93	130	118	389	127	74	70	50	78	198
30	44	90	130	128	---	355	123	68	55	44	78	169
31	44	---	150	152	---	322	---	63	---	38	77	---
TOTAL	1702	3157	2790	4305	4171	7663	5944	3453	1593	1125	1869	1888
MEAN	54.9	105	90.0	139	144	247	198	111	53.1	36.3	60.3	62.9
MAX	108	306	150	207	256	625	287	261	89	60	195	198
MIN	40	44	65	105	118	116	123	63	30	24	28	29

CAL YR 1979 TOTAL 39162 MEAN 107 MAX 550 MIN 40
WTR YR 1980 TOTAL 39660 MEAN 108 MAX 625 MIN 24

02198500 SAVANNAH RIVER NEAR CLYO, GA.

(National stream-quality accounting network station)
(Radiochemical program station)
(Pesticide program station)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (Ga.) - Jasper County (S.C.), Hydrologic Unit 03060109, Ga.-S.C. State line, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi (4.8 km) north of Clyo, and at mile 60.9 (98.0 km).

DRAINAGE AREA.--9,850 mi^2 (25,510 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to September 1933, October 1937 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

REVISED RECORDS.--WSP 1112: 1940.

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft (4.087 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft (1.219 m) higher. Jan. 31, 1933, to June 12, 1945, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500), and by other powerplants above station.

AVERAGE DISCHARGE.--47 years, 12,200 ft^3/s (346 m^3/s), 16.82 in/yr (427 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 270,000 ft^3/s (7,950 m^3/s) Oct. 6, 1929, gage height, 29.7 ft (9.05 m), present datum (from information by Corps of Engineers), from rating curve extended above 120,000 ft^3/s (3,400 m^3/s); minimum daily, 1,950 ft^3/s (55.2 m^3/s) Sept. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58,600 ft^3/s (1,660 m^3/s) Apr. 2, gage height, 18.40 ft (5.608 m); minimum daily, 5,970 ft^3/s (169 m^3/s) Sept. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11400	8040	13100	9380	24300	10100	55600	26100	17200	9720	7030	6590
2	11900	7890	13100	9200	25400	9860	51600	23900	17600	9030	7960	6260
3	11700	7680	13100	9160	25500	9880	40500	21200	18000	9400	8430	5970
4	11600	8060	14200	9250	25300	10200	55500	18600	18400	9720	7660	6120
5	11900	750	15400	9650	24900	11300	57000	16400	18400	10000	6990	6500
6	12100	9230	15600	9890	24700	12400		14300	17800	10000	6480	6740
7	12200	9050	15700	9680	24600	12300		12000	17400	11000	6210	7330
8	12400	8590	15800	9290	24300	11200	54000	11300	17000	11000	6420	7260
9	12200	9040	16000	8830	23700	11300	51000	11100	17000	9000	6820	6760
10	11700	9810	16300	8640	23000	12800	47900	9880	17200	8500	7340	6430
11	11200	10100	16600	9020	22200	14200	47100	9430	17500	8500	8450	6500
12	10600	10400	16800	10400	21700	15500	46300	9460	18000	9000	8750	6810
13	10500	11000	16800	11700	21400	18100	45800	9110	18400	9000	8100	6630
14	10600	11700	16600	12100	21400	22300	45700	8670	18500	9000	8300	6500
15	10500	12300	16300	11200	21300	27400	45300	8600	18500	8730	8560	6530
16	10300	13000	16300	10400	21300	32300	43900	8640	18500	8340	7950	6480
17	9930	13800	16200	11000	21100	34900	41300	8540	18600	8540	7410	6270
18	9830	14400	16200	11700	20800	37300	38200	8470	18700	8890	7250	6400
19	9800	15000	16100	12100	20600	41900	35300	8550	18100	8660	7020	7900
20	9520	15400	15500	12400	20200	45100	33300	8960	16300	8060	6720	7510
21	9230	15500	15000	12900	19300	43600	32200	9880	14400	7620	7440	6790
22	9330	15200	14800	13600	17600	40600	31900	10900	12500	7270	7470	6740
23	9400	14900	14800	14400	15500	39100	31900	11600	11100	7000	6930	6810
24	9030	14800	14800	15000	13600	39100	31600	12800	10100	6800	6780	6650
25	9060	14900	13900	15600	12500	38900	31000	13800	9330	6990	6720	6640
26	9140	15100	11600	16200	11800	37900	30300	14700	9050	7310	6380	6840
27	8770	14500	10300	16900	11500	37100	29500	15300	9360	7460	6410	7450
28	8340	12800	10100	17800	11100	41000	28900	15900	9780	7490	6440	7920
29	8050	12600	10200	18900	10600	43700	28400	16300	9820	7440	6110	8670
30	7770	13000	10100	20300	---	46100	27600	16600	10000	7130	6160	9090
31	7790	---	9760	22400	---	49500	---	16900	---	6820	6570	---
TOTAL	317790	356540	447060	388990	581200	856940	1252600	407890	462540	263420	223260	207590
MEAN	10250	11880	14420	12550	20040	27640	41750	13160	15420	8497	7202	6920
MAX	12400	15500	16800	22400	25500	49500	58000	26100	18700	11000	8750	9090
MIN	7770	7680	9760	8640	10600	9860	27600	8470	9050	6800	6110	5970

CAL YR 1979 TOTAL 5223680 MEAN 14310 MAX 36500 MIN 7230
WTR YR 1980 TOTAL 5765820 MEAN 15750 MAX 58000 MIN 5970

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)
OCT												
04...	57	59	.08	1790	.41	.080	.10	.12	.31	.39	.06	.33
04...	--	--	--	--	.02	.020	--	--	--	--	--	--
NOV												
07...	--	--	--	--	.17	.060	--	--	--	--	--	--
09...	58	55	.08	1410	.43	.070	.08	.03	.18	.25	.00	.28
DEC												
05...	--	--	--	--	.23	.080	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
09...	--	--	--	--	.40	.240	--	--	--	--	--	--
10...	53	57	.07	1240	.36	.150	.18	.21	.29	.44	.11	.33
FEB												
06...	64	45	.09	4290	.12	.000	.00	.05	.40	.40	.00	.54
18...	--	--	--	--	.18	.050	--	--	--	--	--	--
MAR												
03...	--	--	--	--	.29	.130	--	--	--	--	--	--
06...	54	41	.07	1820	.29	.110	.13	.06	.19	.30	.11	.19
APR												
01...	--	--	--	--	.13	<.020	--	--	--	--	--	--
02...	43	36	.06	6770	.11	.000	.00	.00	.28	.28	.05	.23
MAY												
07...	56	49	.08	1770	.42	.070	.08	.14	.24	.31	.00	.34
21...	--	--	--	--	.50	.050	--	--	--	--	--	--
JUN												
11...	55	44	.07	2610	.28	.050	.06	.05	.23	.28	.00	.32
19...	--	--	--	--	.27	.030	--	--	--	--	--	--
JUL												
01...	--	--	--	--	--	--	--	--	--	--	--	--
02...	65	49	.09	1610	.38	.000	.00	.05	.46	.46	.20	.26
24...	--	--	--	--	.40	.020	--	--	.20	.22	--	--
AUG												
06...	72	53	.10	1310	.43	.000	.00	.05	.26	.26	.02	.24
20...	--	--	--	--	.38	.030	--	--	.27	.30	--	--
SEP												
04...	77	54	.10	1390	.49	.070	.08	.01	.07	.14	.02	.12

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT											
04...	.80	3.5	.070	.21	.050	--	4.6	--	11	345	100
04...	--	--	.040	--	--	--	14	--	--	--	--
NOV											
07...	--	--	.090	--	--	--	16	--	--	--	--
09...	.68	3.0	.070	.21	.050	--	3.8	120	10	243	100
DEC											
05...	--	--	.070	--	--	--	<1.0	--	--	--	--
14...	--	--	--	--	--	--	--	--	12	538	100
JAN											
09...	--	--	.080	--	--	--	4.0	--	--	--	--
10...	.80	3.5	.080	.25	.050	--	2.9	--	6	140	100
FEB											
06...	.52	2.3	.050	.15	.020	--	8.8	--	9	603	100
18...	--	--	.020	--	--	--	4.0	--	--	--	--
MAR											
03...	--	--	.070	--	--	--	3.0	--	--	--	--
06...	.59	2.6	.060	.18	.030	0	--	71	13	439	100
APR											
01...	--	--	.040	--	--	--	6.0	--	--	--	--
02...	.39	1.7	.040	.12	.030	--	11	--	10	1570	100
MAY											
07...	.73	3.2	.080	.25	.050	--	6.0	--	24	758	100
21...	--	--	.120	--	--	--	3.0	--	--	--	--
JUN											
11...	.56	2.5	.070	.21	.030	0	--	690	20	950	100
19...	--	--	.090	--	--	--	3.0	--	--	--	--
JUL											
01...	--	--	--	--	--	--	--	65	--	--	--
02...	.84	3.7	.080	.25	.010	0	3.8	500	1	24	100
24...	.62	2.7	.100	--	--	--	4.0	--	--	--	--
AUG											
06...	.69	3.1	.110	.34	.160	0	4.4	120	15	273	97
20...	.68	3.0	.100	--	--	--	3.0	--	--	--	--
SEP											
04...	.63	2.8	.310	.95	.100	0	--	700	13	234	88
18...	.58	2.6	.080	--	--	--	1.5	--	--	--	--

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1965 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	TURBIDITY (JTU)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
04...	1245	11600	80	6.7	23.0	--	8.0	6.4	51	39	17	5
04...	1600	11600	64	7.0	23.5	11	--	6.7	--	--	--	--
NOV												
07...	1410	9000	77	6.6	18.0	10	--	7.9	--	--	--	--
09...	1130	9010	80	7.0	16.5	--	7.0	8.6	55	102	19	2
DEC												
05...	1400	15400	64	6.7	10.0	13	--	5.4	--	--	--	--
14...	1330	16600	66	6.6	13.5	--	--	8.3	K710	70	--	--
JAN												
09...	1540	--	81	7.1	11.0	6	--	9.0	--	--	--	--
10...	1330	8630	80	7.0	10.5	--	3.2	9.6	45	261	18	0
FEB												
06...	1415	24800	60	7.0	5.5	--	5.0	10.6	117	68	12	0
18...	1650	--	63	6.9	8.0	17	--	10.2	--	--	--	--
MAR												
03...	1740	--	84	6.9	8.0	16	--	10.1	--	--	--	--
06...	1615	12500	58	7.2	11.0	--	8.5	10.4	53	22	13	0
APR												
01...	1605	--	48	6.6	16.5	11	--	8.0	--	--	--	--
02...	1600	58300	46	6.7	16.5	--	1.8	9.2	--	56	13	0
MAY												
07...	1415	11700	68	6.7	21.5	--	17	7.4	50	157	15	0
21...	1630	--	77	6.7	23.0	23	--	6.8	--	--	--	--
JUN												
11...	1415	17600	54	6.5	24.0	--	7.5	6.6	68	98	13	0
19...	0920	--	67	6.7	26.5	12	--	5.9	--	--	--	--
JUL												
01...	0930	471	67	6.5	25.5	--	--	6.9	--	--	--	--
02...	1445	9040	70	6.7	27.0	--	15	7.1	K23	K21	18	0
24...	1245	--	82	6.8	27.5	25	--	6.8	--	--	--	--
AUG												
06...	1345	6740	79	7.0	28.5	--	15	6.7	K11	62	16	0
20...	0730	--	79	7.1	26.0	12	--	6.0	--	--	--	--
SEP												
04...	1430	6680	75	7.0	28.0	--	7.4	6.4	K15	45	16	0
18...	1600	--	83	7.0	26.0	12	--	6.4	--	--	--	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
OCT												
04...	5.1	1.1	9.5	.9	9.7	1.2	12	4.7	11	9.6	.1	9.5
04...	--	--	--	--	--	--	20	--	--	--	--	--
NOV												
07...	--	--	--	--	--	--	20	--	--	--	--	--
09...	5.4	1.3	11	1.1	12	1.4	17	--	7.0	6.7	.1	10
DEC												
05...	--	--	--	--	--	--	18	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
09...	--	--	--	--	--	--	20	--	--	--	--	--
10...	5.1	1.2	8.9	.9	10	1.1	30	--	5.6	6.1	.1	9.4
FEB												
06...	3.2	1.0	5.7	.7	6.6	.9	26	--	4.8	4.4	.1	8.6
18...	--	--	--	--	--	--	16	--	--	--	--	--
MAR												
03...	--	--	--	--	--	--	20	--	--	--	--	--
06...	3.6	1.0	4.9	.6	--	1.2	20	--	4.5	4.4	.1	8.2
APR												
01...	--	--	--	--	--	--	15	--	--	--	--	--
02...	3.4	1.0	4.7	.6	5.6	.9	18	--	4.3	3.7	.1	6.8
MAY												
07...	4.5	1.0	7.8	.9	--	1.1	21	--	5.3	5.7	.1	8.4
21...	--	--	--	--	--	--	18	--	--	--	--	--
JUN												
11...	3.5	1.1	6.8	.8	--	1.3	20	--	4.0	4.3	.1	9.1
19...	--	--	--	--	--	--	17	--	--	--	--	--
JUL												
01...	--	--	--	--	--	--	--	--	--	--	--	--
02...	5.4	1.2	7.5	.8	--	1.2	19	--	5.2	5.4	.1	9.7
24...	--	--	--	--	--	--	21	--	--	--	--	--
AUG												
06...	4.6	1.2	9.4	1.0	--	1.2	20	--	6.3	6.6	.1	9.4
20...	--	--	--	--	--	--	19	--	--	--	--	--
SEP												
04...	4.3	1.2	8.7	1.0	--	1.3	22	--	5.7	6.2	.1	11
18...	--	--	--	--	--	--	20	--	--	--	--	--

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT											
04...	1600	--	--	--	--	--	--	--	--	--	--
MAR											
06...	1615	1	0	1	<50	<0	60	0	0	2	10
JUN											
11...	1415	0	0	0	100	40	60	0	0	2	<10
SEP											
04...	1430	1	0	1	100	100	0	0	0	0	30

DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)
OCT										
04...	--	--	--	--	--	--	--	--	1230	--
MAR										
06...	0	<10	0	6	0	2	0	5	800	680
JUN										
11...	--	10	0	0	0	5	0	6	970	830
SEP										
04...	10	20	0	0	0	6	0	20	590	510

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT										
04...	--	--	--	--	50	--	--	--	--	--
MAR										
06...	120	1	1	0	50	40	9	.1	.0	.1
JUN										
11...	140	2	0	2	50	30	20	.1	.0	.1
SEP										
04...	90	3	0	4	50	40	10	.1	--	<.1

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED (MG/L AS C)
OCT										
04...	--	--	--	--	--	--	--	--	--	--
MAR										
06...	0	0	0	0	0	10	10	0	5.9	.7
JUN										
11...	0	0	0	0	0	20	0	20	5.2	.7
SEP										
04...	0	0	0	0	0	20	0	90	3.0	.4

DATE	TIME	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
JUN											
11...	1415	<.3	.7	<.5	1.0	2.0	.5	1.9	.5	.03	<.01
SEP											
04...	1430	<.3	.5	<.5	.7	2.1	.8	2.0	.9	.04	<.01

PEE DEE RIVER BASIN

02130900 LAKE ROBINSON.--34°23'40", long 80°09'00", Darlington County, Hydrologic Unit 0340201, at plant intake structure on Black Creek, 2.3 mi (3.7 km) upstream from Beaverdam Creek, and 4.7 mi (7.6 km) west of Hartsville. Drainage area, 173 mi^2 (448 km^2). Records available November 1960 to current year.

Lake used for cooling water at the Robinson Steam-Electric Generating Plant of Carolina Power and Light Co. Put in operation 1960. Records furnished by Carolina Power & Light Co.

SANTEE RIVER BASIN

02145900 LAKE WYLIE.--Lat 35°01'15", long 81°00'30", York County, Hydrologic Unit 03050101, at powerplant on Catawba River, 2.0 mi (3.2 km) upstream from Big Dutchman Creek, 3.5 mi (5.6 km) upstream from U.S. Highway 21, 3.5 mi (5.6 km) northwest of Fort Mill, and at mile 138.5 (222.8 km). Drainage area, 3,020 mi^2 (7,820 km^2), approximately. Records available October 1960 to current year. Records of stage August 1925 to September 1960 collected by Duke Power Company. Gage, float gage, and indicator in powerhouse. Datum of gage is 469.4 ft (143.07 m) National Geodetic Vertical Datum of 1929 (levels by Duke Power Co.).

Lake, used for hydroelectric power development, was first put in operation August 1925. Usable capacity, 2,520,500,000 ft^3 (71,381,000 m^3) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 4,022,000,000 ft^3 (113,900,000 m^3). Records furnished by Duke Power Co.

02147300 FISHING CREEK RESERVOIR.--Lat 34°36'00", long 80°53'34", Chester County, Hydrologic Unit 03050103, at Fishing Creek dam, 0.25 mi (0.40 km) upstream from State Highway 97, 0.5 mi (0.8 km) upstream from Fishing Creek, 2.5 mi (4.0 km) north of Great Falls, and at mile 100.5 (161.7 km). Drainage area 3,810 mi^2 (9,870 km^2), approximately. Records available October 1960 to current year. Records of stage November 1916 to September 1960 collected by Duke Power Co. Gage, float gage, and indicator in powerhouse. Datum of gage is 317.2 ft (96.69 m) National Geodetic Vertical Datum of 1929 (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was first put in operation November 1916. Usable capacity 667,000,000 ft^3 (18,900,000 m^3) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 963,100,000 ft^3 (27,270,000 m^3). Records furnished by Duke Power Co.

02147900 WATEREE RESERVOIR.--Lat 34°20'15", long 80°42'10", Kershaw County, Hydrologic Unit 03050104, at Wateree Reservoir dam, 0.8 mi (1.3 km) upstream from Grannys Quarter Creek, 8.75 mi (14.1 km) northwest of Camden, and at mile 73.5 (118.3 km). Drainage area 4,750 mi^2 (12,300 km^2), approximately. Records available October 1960 to current year. Records of stage October 1919 to September 1960 collected by Duke Power Co. Gage, float gage, and indicator in powerhouse. Datum of gage is 125.5 ft (38.25 m) National Geodetic Vertical Datum of 1929 (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was put in operation in 1917. Usable capacity 2,794,000,000 ft^3 (79,130,000 m^3) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 4,831,600,000 ft^3 (136,830,000 m^3). Records furnished by Duke Power Co.

MONTH-END GAGE HEIGHTS OR ELEVATIONS, AND CONTENTS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Lake Robinson			Lake Wylie			Fishing Creek Reservoir			Wateree Reservoir		
	Elevation (feet)	Contents (million cubic feet)	Change in Contents (equivalent in ft^3/s)	Gage Height (feet)	Contents (million cubic feet)	Change in Contents (equivalent in ft^3/s)	Gage Height (feet)	Contents (million cubic feet)	Change in Contents (equivalent in ft^3/s)	Gage Height (feet)	Contents (million cubic feet)	Change in Contents (equivalent in ft^3/s)
Sept. 30 1979	221.0	1,349	18.3	97.3	8,981		94.5	904		97.2	6,012	-183.7
Oct. 31	220.5	1,300	30.5	97.3	8,981	0	96.0	1,086	68.0	96.3	5,520	-655.1
Nov. 30	221.3	1,379	-7.5	96.8	8,733	-95.7	96.0	1,086	0	93.0	3,822	654.1
Dec. 31, 1979	221.1	1,359		97.1	8,881	55.3	96.4	1,137	19.0	96.4	5,574	
CAL YR 1979			0.3			12.5			-2.4			8.5
Jan. 31, 1980	221.2	1,369	3.7	96.3	8,488	-146.7	96.2	1,111	-9.7	95.8	5,252	120.2
Feb. 29	221.1	1,359	4.0	95.7	8,199	-115.3	97.7	1,307	78.2	97.0	5,902	259.4
Mar. 31	222.0	1,450	34.0	99.7	10,226	756.8	100.0	1,630	120.6	101.0	8,220	865.4
Apr. 30	220.6	1,329	-46.7	97.7	9,183	-402.4	95.1	975	-252.7	97.5	6,179	-787.4
May 31	221.5	1,400	26.5	97.8	9,233	18.7	96.8	1,188	79.5	96.9	5,847	-124.0
June 30	220.5	1,300	-38.6	98.1	9,386	59.0	96.4	1,137	-19.7	96.8	5,792	-21.2
July 31	220.3	1,280	-7.5	97.7	9,183	-75.8	95.1	975	-60.5	96.5	5,629	-60.9
Aug. 31	220.2	1,271	-3.4	96.2	8,437	-278.5	98.5	1,416	164.7	97.1	5,957	122.5
Sept. 30, 1980	220.0	1,251	-7.7	96.1	8,391	-17.7	94.5	904	-197.5	98.0	6,461	194.4
WTR YR 1980			-3.1			-18.7			0			14.2

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1980 in South Atlantic Slope basins.

Station Number	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum: Probable date	Annual maximum: Gage height (feet)	Annual maximum: Discharge (ft^3/s)
		Pee Dee River basin					
02130400	Little Bear Creek near Chesterfield, S.C	Lat 34°40'09", long 80°09'11", Chesterfield County, on upstream side of culvert on State Highway 145, 5.5 miles southwest of Chesterfield.	4.10	1975-80	3-30-80	6.04	193
02130550	Herndon Branch near Bennettsville, S.C.	Lat 34°38'27", long 79°44'46", Marlboro County, on upstream side of culvert on State Highway 9, 4.5 miles northwest of Bennettsville.	3.34	1975-80	11-13-79	4.75	(+)
02130800	Back Swamp near Darlington, S.C.	Lat 34°18'11", long 79°46'07", Darlington County, on upstream side of culvert on State Highway 35, 5.7 miles east of Darlington.	6.22	1975-80	11-26-79	7.26	181
02131110	Jeffries Creek above Florence, S.C.	Lat 34°10'40", long 79°48'34", Florence County, at bridge on State Highway 29, 2.6 miles southwest of Florence, and 5.0 miles upstream from confluence with Middle Swamp.	46.6	1968-80	11-13-79	6.75	660
02131140	Jeffries Creek below Florence, S.C.	Lat 34°10'21", long 79°45'45", Florence County, at bridge on city street 2,000 ft downstream from State Highway 52, 1.5 miles south of Florence.	52.0	1968-80	7-24-80	17.13	(+)
02131460	Meds Creek near Kershaw, S.C.	Lat 34°32'39", long 80°37'39", Kershaw County, on upstream side of concrete pipe culvert on State Highway 413, 1.0 mile upstream from Little Lynches River, and 3.2 miles east of Kershaw.	3.98	1975-80	11-3-79	4.23	69
02131500	Lynches River near Bishopville, S.C.	Lat 34°15'00", long 80°12'50", Lee County, near center of span on downstream side of bridge on U.S. Highway 15, 1.0 mile upstream from Seaboard Coast Line Railroad bridge, 2.9 miles northeart of Bishopville, 3.0 miles downstream from Bells Branch, and at mile 89.5.	675	1942-71† 1972-80	11-12-79	15.86	8,720
02131990	Carter Creek at Effingham, S.C.	Lat 34°03'51", long 79°46'03", Florence County, on upstream side of culvert on U.S. Highway 301, 0.8 mile northwest of Effingham, and 0.9 mile upstream from Lynches River.	8.28	1974-80	3-13-80	6.19	354
02132188	Two Mile Branch near Lake City, S.C.	Lat 33°53'38", long 79°45'38", Florence County, at culvert on U.S. Highway 378 By-Pass, and 1.4 miles north of Lake City.	19.0	1974-80	3-13-80	6.45	615
02132500	Little Pee Dee River near Dillon, S.C.	Lat 34°24'17", long 79°20'25", Dillon County, on downstream side of bridge on State Highway 9, 1.9 miles southeast of Dillon, 3.9 miles upstream from Maple Swamp, and at mile 88.3.	524	1939-71† 1972-80	3-13-80	9.69	2,320
02135620	Belt Branch near Manning, S.C.	Lat 33°41'54", long 80°13'50", Clarendon County, on downstream side of culvert on State Highway 261, 1.1 miles upstream from Pacotaligo Swamp.	5.83	1974-80	3-13-80	4.30	15
02136010	Chaney Swamp near Greeleyville, S.C.	Lat 33°35'12", long 79°56'48", Williamsburg County, at culvert on U.S. Highway 52, 2.5 miles upstream from Rocky Ford Swamp, and 2.5 miles east of Greeleyville.	17.0	1974-80	3-13-80	7.06	397
		Santee River basin					
02147600	Scalder Branch near Great Falls, S.C.	Lat 34°30'17", long 81°00'22", Fairfield County, on upstream side of box culvert on State Highway 200, 1.1 miles upstream of Big Wateree Creek, and 7.0 miles southwest of Great Falls.	4.55	1975-80	(b)	(a)	(+)
02153750	Buck Horn Creek near York, S.C.	Lat 35°02'09", long 81°18'44", York County, on upstream side of culvert on State Highway 5, 4.5 miles upstream from Bullocks Creek, and 4.0 miles northwest of York.	5.23	1975-80	3-20-80	3.64	(+)

See footnotes at end of Table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980 in South Atlantic Slope basins.

Station Number	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum: Probable date	Annual maximum: Gage height (feet)	Annual maximum: Discharge (ft^3/s)
		Santee River basin--Continued					
02156300	Lawsons Fork Creek at Spartanburg, S.C.	Lat 34°56'53", long 81°52'08", Spartanburg County, on downstream side of bridge on secondary road, 0.8 mile east of Spartanburg.	74.7	1966-70† 1970-80	5-20-80	13.95	3,290
02157500	Middle Tyger River at Lyman, S.C.	Lat 34°56'35", long 82°08'00", Spartanburg County, on left bank 200 ft upstream from bridge on State Highway 292 at Lyman.	68.3	1937-68† 1970-80	5-20-80	8.27	2,260
02159600	Dutchman Creek near Pauline, S.C.	Lat 34°47'55", long 81°52'46", Spartanburg County, on downstream side of bridge on County Road 90, 75 feet downstream from Smith Creek and 2.2 miles southwest of Pauline.	8.97	1966-80	5-20-80	5.67	637
02160000	Fairforest Creek near Union, S.C.	Lat 34°40'45", long 81°41'25", Union County, on right bank at downstream side of bridge on State Highway 49, 0.3 mile downstream from Buffalo Creek, 4.3 miles southwest of Union, and at mile 7.5.	183	1940-71† 1972-80	3-29-80	6.07	4,040
02160130	Enoree River near Travelers Rest, S.C.	Lat 34°59'21", long 82°25'15", Greenville County, on upstream side of culvert on U.S. Highway 25, 0.6 mile upstream from North Enoree River and 2.0 miles northeast of Travelers Rest.	5.37	1974-80	4-14-80	2.95	58
02160500	Enoree River near Enoree, S.C.	Lat 34°36'38", long 81°54'35", Spartanburg County, on left bank 60 ft upstream from bridge on State Highway 49, 0.6 mile upstream from Warrior Creek, 3.0 miles southeast of Enoree, and at mile 47.7.	307	1929-76† 1977-80	3-29-80	4.92	5,160
02160800	Second Creek near Pomaria, S.C.	Lat 34°20'06", long 81°30'11", Newberry County, on upstream side of culvert on U.S. Highway 176, 5.5 miles upstream of Hellers Creek, and 7.2 miles northwest of Pomaria.	1.87	1975-80	11-11-79	3.43	54
0216300	Saluda River near Pelzer, S.C.	Lat 34°40'05", long 82°27'55", Anderson County, on right bank 0.4 mile downstream from Hurricane Creek, 1.9 miles north of Pelzer, and at mile 114.2.	405	1929-71† 1972-80	1-18-80	5.92	5,770
02165350	Dirty Creek Tributary near Laurens, S.C.	Lat 34°29'44", long 82°05'15", Laurens County, on upstream side of culvert on State Highway 252, 2.8 miles upstream of Dirty Creek and 4.1 miles west of Laurens.	1.21	1975-80	3-29-80	3.24	27
02167200	Campbell Creek Tributary near Cross Hill, S.C.	Lat 34°18'18", long 81°58'53", Laurens County, at culvert on State Highway 560, 1.8 miles upstream from Campbell Creek, and 4.4 miles northeast of Cross Hill.	0.62	1974-80	3-29-80	4.86	82
02167750	Camping Creek Tributary near Prosperity, S.C.	Lat 34°12'35", long 81°30'08", Newberry County, on upstream side of culvert on County Road 437, 0.35 mile above Camping Creek, and 1.8 miles east of Prosperity.	0.52	1974-80	11-2-79	4.53	41
02169540	Savanna Branch near Cayce, S.C.	Lat 33°55'47", long 81°07'05", Lexington County, on upstream side of culvert on S.C. Highway 215, 0.75 miles upstream from Congaree Creek and 3.9 miles southwest of Cayce.	7.15	1974-80	11-11-79	3.54	206
02169960	Lake Marion Tributary near Vance, S.C.	Lat 33°27'26", long 80°26'32", Orangeburg County, on upstream side of box culvert on State Highway 6, 1.4 miles upstream from Lake Marion and 2.0 miles northeast of Vance.	2.12	1975-80	3-13-80	3.85	69
		Edisto River basin					
02172500	South Fork Edisto River near Montmorenci, S.C.	Lat 33°34'35", long 81°30'50", Aiken County, near center of span on downstream side of bridge on State Highway 215, 0.4 mile upstream from Cedar Creek, 1 mile upstream from Shaw Creek, 7.6 miles northeast of Montmorenci, and at mile 167.3.	198	1939-66† 1967-80	3-13-80	8.18	1,780
02172000	South Fork Edisto River near Denmark, S.C.	Lat 33°23'35", long 81°08'00", Orangeburg County, on left bank at downstream side of bridge on U.S. Highway 321, 150 ft downstream from Seaboard Coast Line Railroad bridge, 1.8 miles downstream from Little River, 4.8 miles north of Denmark, and at mile 13[illegible].6.	720	1931-71† 1972-80	(b)	(a)	(+)

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980 in South Atlantic Slope basins.

Station Number	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum: Probable date	Annual maximum: Gage height (feet)	Annual maximum: Discharge (ft^3/s)
		Edisto River basin--Continued					
02173250	Ritter Branch near Perry, S.C.	Lat 33°38'10", long 81°16'04", Aiken County, at culvert on State Highway 14, 0.3 mile upstream from Hollow Creek, 2.6 miles southeast of Perry.	2.22	1975-80	3-13-80	2.51	(+)
		Combahee River basin					
02175300	Turkey Creek near Barnwell, S.C.	Lat 33°17'05", long 81°21'46", Barnwell County, at bridge on State Highway 168, 0.5 mile downstream from Long Branch, and 3.0 miles north of Barnwell.	22.8	1975-80	11-11-79	5.42	280
02175450	Savannah Creek near Ehrhardt, S.C.	Lat 33°02'03", long 81°03'11", Colleton County, on upstream side of culvert on State Highway 641, 1.2 miles upstream from Salkehatchie River, and 6.0 miles north of Miley.	3.02	1975-80	3-13-80	8.30	895
02176100	Remick Swamp near Hendersonville, S.C.	Lat 32°48'45", long 80°42'20", Colleton County, at culvert on U.S. Highway 17-A, 1.5 miles upstream from Bluehouse Swamp, and 2.0 miles northeast of Hendersonville.	7.67	1975-80	3-13-80	5.27	184
		Savannah River basin					
02184100	Cleveland Creek near Fairplay, S.C.	Lat 34°31'32", long 82°59'29", Oconee County, on upstream side of culvert on State Highway 59, 1.0 mile northwest of Fairplay, and 2.4 miles upstream from Beaver Dam Creek.	5.61	1974-80	(b)	(a)	(+)
02185400	Cane Creek near Walhalla, S.C.	Lat 34°46'48", long 83°06'22", Oconee County, on upstream side of culvert, on State Highway 28, 2.5 miles northwest of Walhalla.	1.08	1975-80	4-14-80	6.42	656
02187900	Broadway Creek near Anderson, S.C.	Lat 34°30'09", long 82°35'00", Anderson County, at bridge on State Highway 48, 0.1 mile downstream from Cupboard Creek and 3.8 miles east of Anderson.	26.4	1975-80	(b)	(a)	(+)
02188000	Rocky River near Calhoun Falls, S.C.	Lat 34°08'00", long 82°38'00", Abbeville County, on right bank, 2,000 ft upstream from Swanigan Mill bridge on county road, 3.25 miles northwest of Calhoun Falls.	267	1950-66† 1970-80	(b)	(a)	(+)
02192450	Camp Creek near Honea Path, S.C.	Lat 34°23'18", long 82°29'00", Anderson County, on upstream side of culvert on State Highway 185, 2.0 miles upstream from Little River, and 6.7 miles southwest of Honea Path.	1.59	1975-80	3-21-80	5.93	(+)
02192500	Little River near Mount Carmel, S.C.	Lat 34°04'13", long 82°30'02", McCormick County, on right bank, 480 ft downstream from Island Ford bridge, and 4.5 miles north of Mount Carmel.	217	1939-70† 1971-80	(b)	(a)	(+)
02195660	Log Creek near Edgefield, S.C.	Lat 33°48'03", long 81°52'39", Edgefield County, on upstream side of culvert on State Highway 23, 3.3 miles east of Edgefield.	1.18	1975-80	(b)	(a)	(+)
02197410	Miller Creek Tributary near Baldoc, S.C.	Lat 33°04'08", long 81°24'26", Allendale County, on upstream side of culvert on State Highway 125, 0.6 mile upstream from Miller Creek, and 1.1 miles southeast of Baldoc.	7.51	1975-80	(b)	(a)	(+)

+ Discharge not determined.
† Operated as a continuous-record gaging station.
a Stage not determined.
b Date unknown.

GROUND WATER RECORDS

331940081443501. Local number, AK-430, 4-M.

LOCATION.--Lat 33°19'40", long 81°44'35", Hydrologic Unit 03060106, at Savannah River Plant.
Owner: U.S. Department of Energy.

AQUIFER.--Sands of the Middendorf Formation.

WELL CHARACTERISTICS.--Drilled unused industrial artesian well, diameter 18 in (46.2 cm) from surface to 318 ft (97 m), 8 in (20.5 cm) from 279 ft (85 m) to 605 ft (184.4 m), depth 605 ft (184.4 m), cased to 605 ft (184.4 m), screened 390-400 ft (119-122 m), 455-465 ft (139-142 m), 590-600 ft (180-183 m).

DATUM.--Land-surface datum is 357 ft (109 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Formerly listed AK-2 or LA-4 before 1974.

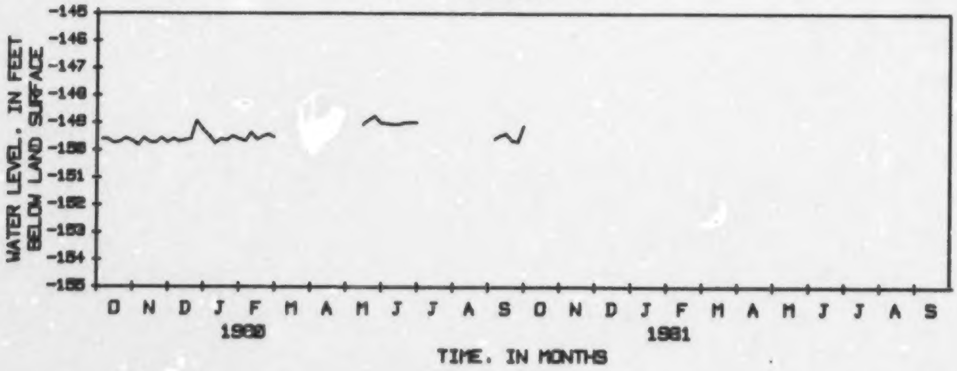
PERIOD OF RECORD.--1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 144.82 ft (44.15 m) below land-surface datum, Feb. 23, 1966; lowest, 153.99 ft (46.94 m) below land-surface datum, Sept. 16, 18, 19, 24, 26, 1970.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149.53	149.68	149.74	149.27	149.63	149.58		---	148.96	149.00		---
2	149.54	149.65	149.73	149.37	149.68	149.50		---	148.91	---		---
3	149.62	149.62	149.80	149.50	149.66	149.59		---	148.95	---		149.50
4	149.64	149.75	149.73	149.49	149.61	149.65		---	148.98	---		149.55
5	149.59	149.81	149.58	149.47	149.66	---		---	149.03	---		149.58
6	149.66	149.79	149.37	149.58	149.58	---		---	149.06	---		149.55
7	149.62	149.72	149.38	149.59	149.59	---		---	149.07	---		149.45
8	149.64	149.68	149.58	149.60	149.67	---		---	149.02	---		149.41
9	149.65	149.61	149.69	149.65	149.58	---		---	149.07	---		149.45
10	149.60	149.55	149.67	149.75	149.35	---		---	149.06	---		149.44
11	149.63	149.49	149.65	149.66	149.40	---		---	149.09	---		149.45
12	149.65	149.52	149.63	149.65	149.47	---		---	149.15	---		149.50
13	149.64	149.56	149.55	149.65	149.60	---		149.05	149.17	---		149.53
14	149.71	149.61	149.55	149.53	149.66	---		149.05	149.11	---		149.48
15	149.73	149.70	149.62	149.59	149.60	---		149.06	149.05	---		149.38
16	149.71	149.71	149.52	149.64	149.37	---		149.12	149.03	---		149.42
17	149.68	149.72	149.51	149.64	149.37	---		149.13	149.06	---		149.47
18	149.69	149.67	149.62	149.58	149.52	---		149.05	148.99	---		149.54
19	149.68	149.66	149.58	149.63	149.54	---		148.98	148.98	---		149.62
20	149.69	149.72	149.57	149.63	149.47	---		148.89	149.00	---		149.64
21	149.68	149.75	149.64	149.57	149.47	---		148.92	149.02	---		149.56
22	149.63	149.73	149.51	149.46	149.48	---		148.98	149.01	---		149.46
23	149.54	149.64	149.29	149.29	149.48	---		148.94	149.00	---		149.46
24	149.51	149.60	149.10	149.43	149.46	---		148.84	149.01	---		149.49
25	149.56	149.54	148.92	149.48	149.41	---		148.75	148.99	---		149.49
26	149.64	149.48	148.98	149.53	149.54	---		148.73	149.00	---		149.55
27	149.68	149.65	149.17	149.50	149.61	---		148.85	149.04	---		149.60
28	149.63	149.64	149.37	149.55	149.52	---		148.95	149.08	---		149.44
29	149.56	149.63	149.45	149.61	149.51	---		148.98	149.07	---		149.18
30	149.60	149.71	149.32	149.67	---	---		149.00	148.99	---		149.11
31	149.65	---	149.26	149.59	---	---		149.01	---	---		---
MEAN	149.63	149.65	149.49	149.55	149.53	---		---	149.03	---		---
MAX	149.73	149.81	149.80	149.75	149.68	---		---	149.17	---		---
MIN	149.51	149.48	148.92	149.27	149.35	---		---	148.91	---		---

HYDROGRAPH



322748080440500. Local number, BFT-121.

LOCATION.--Lat 32°27'45", long 80°43'50", Hydrologic Unit 03050208, 100 ft (30.5 m) east of U.S. 21 and 100 ft (30.5 m) north of locked entrance and 2000 ft (610 m) north of main entrance to the U.S. Marine Corps Air Station, 4.0 mi (6.4 km) northwest of Beaufort on U.S. Hwy. 21.

Owner: U.S. Marine Corp.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in (25.4 cm), depth 105 ft (32.0 m), cased to 85 ft (25.9 m) open hole to 105 ft (32.0 m).

DATUM.--Land-surface datum is 31.25 ft (9.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft (1.01 m) above land-surface datum.

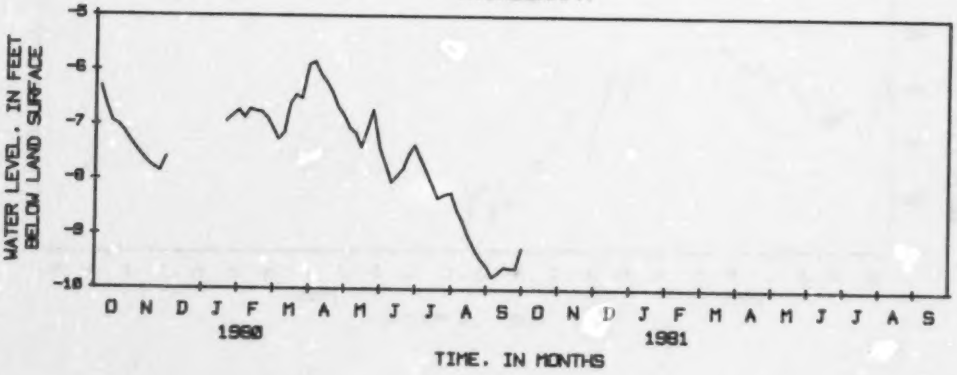
PERIOD OF RECORD.--July 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 5.84 ft (1.78 m) below land-surface datum, April 5, 1980; lowest, 10.68 ft (3.26 m) below land-surface datum Nov. 20, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.09	7.36		---	6.74	7.09	6.01	[illegible]	7.34	7.44	8.27	9.60
2	6.10	7.36		---	6.77	7.10	6.07	6.95	7.48	7.52	8.32	9.65
3	6.18	7.36		---	6.79	7.16	6.01	6.99	7.78	7.61	8.38	9.68
4	6.26	7.42		---	6.82	7.19	5.87	7.02	7.69	7.65	8.44	9.72
5	6.31	7.46		---	6.87	7.26	5.84	7.05	7.73	7.61	8.53	9.77
6	6.39	7.48		---	6.83	7.22	5.94	7.12	7.76	7.61	8.60	9.75
7	6.45	7.50		---	6.85	7.21	6.00	7.16	7.83	7.69	8.64	9.72
8	6.56	7.54		---	6.90	7.18	6.07	7.21	7.65	7.76	8.68	9.75
9	6.62	7.57		---	6.85	7.14	6.01	7.16	7.81	7.80	8.74	9.80
10	6.67	7.59		---	6.71	7.14	6.07	7.15	8.04	7.84	8.75	9.69
11	6.73	7.61		---	6.68	7.19	6.17	7.19	7.95	7.87	8.80	9.52
12	6.78	7.62		---	6.70	7.17	6.23	7.29	7.95	7.92	8.85	9.54
13	6.82	7.63		---	6.74	6.73	6.25	7.35	7.93	7.96	8.91	9.56
14	6.90	7.67		---	6.76	6.61	6.20	7.39	7.91	8.03	8.97	9.58
15	6.95	7.71		---	6.75	6.61	6.22	7.40	7.92	8.09	9.01	9.59
16	6.97	7.72		6.98	6.67	6.59	6.33	7.44	7.96	8.12	9.05	9.60
17	6.99	7.74		6.97	6.69	6.56	6.43	7.45	8.00	8.16	9.15	9.59
18	7.01	7.74		6.93	6.76	6.49	6.47	7.22	7.85	8.22	9.18	9.57
19	7.00	7.77		6.93	6.77	6.49	6.48	7.17	7.80	8.29	9.21	9.60
20	7.01	7.79		6.94	6.77	6.45	6.40	7.07	7.79	8.33	9.23	9.61
21	7.03	7.81		6.95	6.81	6.37	6.40	7.09	7.79	8.39	9.26	9.60
22	7.06	7.87		6.94	6.83	6.43	6.47	7.07	7.80	8.41	9.30	9.57
23	7.06	7.86		6.83	6.85	6.51	6.53	6.92	7.81	8.37	9.36	9.59
24	7.08	7.86		6.83	6.88	6.53	6.59	6.79	7.71	8.37	9.39	9.58
25	7.13	7.85		6.84	6.89	6.51	6.67	6.72	7.53	8.27	9.42	9.61
26	7.19	7.58		6.85	6.98	6.55	6.72	6.76	7.35	7.94	9.44	9.64
27	7.22	7.48		6.72	7.01	6.59	6.71	7.01	7.29	7.82	9.46	9.65
28	7.23	---		6.71	7.01	6.39	6.71	7.12	7.29	7.80	9.46	9.63
29	7.25	---		6.73	7.06	6.12	6.78	7.15	7.32	7.93	9.48	9.45
30	7.29	7.60		6.76	---	5.90	6.82	7.22	7.36	8.20	9.51	9.25
31	7.32	---		6.73	---	5.89	---	7.43	---	8.23	9.57	---
MEAN	6.83	---		---	6.82	6.72	6.32	7.13	7.71	7.98	9.01	9.62
MAX	7.32	---		---	7.06	7.26	6.82	7.45	8.04	8.41	9.57	9.80
MIN	6.09	---		---	6.67	5.89	5.84	6.72	7.29	7.44	8.27	9.25

HYDROGRAPH



BEAUFORT COUNTY

321551080491003. Local number, BFT-429.

LOCATION.--Lat 32°15'51", long 80°49'10", Hydrologic Unit 03050208, 7.7 miles (12.39 km) southeast on U.S. Hwy. 278 from intersection with State Hwy. 170, northwest on dirt road 1.6 miles (2.57 km), 2 miles (3.2 km) southwest of Foot Point Plantation and at Victoria Bluff. Owner: S.C. Wildlife and Marine Resources Dept.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (15.38 cm), depth 300 ft (91.4 m), cased to 100 ft (30.5 m), open hole to 300 ft (91.4 m).

DATUM.--Land-surface datum is 22.0 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.85 ft (0.56 m) above land-surface datum.

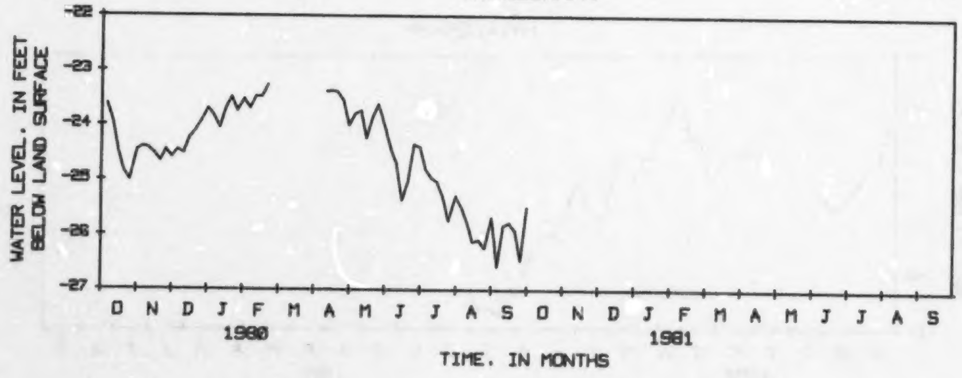
PERIOD OF RECORD.--1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 21.71 ft (6.45 m) below land surface datum, Sept. 10, 1971; lowest, 26.57 ft (8.10 m) below land-surface datum, Sept. 5, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.67	24.45	24.57	23.74	23.64		---	24.06	24.08	24.39	25.32	25.68
2	23.63	24.22	24.68	23.83	23.66		---	24.14	24.27	24.43	25.12	25.87
3	23.72	24.21	24.65	23.83	23.62		---	23.93	24.33	24.67	25.08	26.10
4	23.66	24.27	24.54	23.69	23.62		---	23.84	24.64	24.66	25.17	26.52
5	23.62	24.39	24.44	23.83	23.69		---	23.79	24.42	24.79	25.48	26.57
6	23.67	24.40	24.27	24.03	23.60		---	23.74	24.36	24.78	25.68	26.08
7	23.76	24.47	24.36	23.98	23.78		---	23.82	24.37	24.82	25.97	25.87
8	23.87	24.53	24.56	24.03	23.86		---	23.86	24.42	24.71	26.23	25.95
9	23.88	24.51	24.56	24.05	23.64		23.37	23.83	24.61	24.77	25.92	25.88
10	23.92	24.42	24.51	24.04	23.47		23.38	23.73	24.68	24.95	25.77	25.82
11	23.96	24.47	24.49	23.84	23.51		23.45	23.74	25.20	25.04	25.97	25.89
12	24.12	24.49	24.47	23.96	23.57		23.35	23.81	25.35	24.95	25.98	25.93
13	24.66	24.44	24.41	23.75	23.64		23.29	23.89	25.09	24.83	25.97	25.70
14	24.35	24.48	24.41	23.60	23.61		23.19	24.06	25.04	24.98	26.10	25.64
15	24.48	24.52	24.23	23.70	23.47		23.37	24.23	25.36	25.03	26.12	25.77
16	24.78	24.50	24.07	23.67	23.24		23.45	24.55	25.75	25.18	26.02	25.78
17	24.57	24.49	24.31	23.52	23.37		23.45	23.98	26.15	25.30	25.97	25.85
18	24.86	24.51	24.22	23.44	23.42		23.42	23.87	25.59	25.37	25.96	26.01
19	24.65	24.72	24.07	23.50	23.29		23.41	24.00	25.12	25.29	25.99	26.11
20	24.85	24.66	24.10	23.48	23.26		23.39	23.85	25.02	25.29	26.09	25.91
21	24.41	24.61	24.04	23.43	23.30		23.34	24.03	24.75	25.51	26.11	25.74
22	24.57	24.57	23.90	23.52	---		23.38	24.00	24.56	25.76	26.09	25.87
23	24.86	24.53	23.86	23.42	---		23.43	23.85	24.51	25.83	26.43	25.94
24	24.74	24.54	23.78	23.72	---		23.47	23.68	24.39	25.79	26.40	26.14
25	25.01	24.44	23.93	23.74	---		23.55	23.61	24.34	25.73	26.23	26.45
26	24.53	24.56	24.07	23.72	---		23.68	23.58	24.35	25.40	25.85	26.51
27	24.45	24.79	24.05	23.58	---		23.59	23.62	24.38	25.16	25.86	26.55
28	24.34	24.48	24.03	23.61	---		23.83	23.70	24.37	25.14	25.90	26.36
29	24.30	24.55	23.93	23.62	---		23.94	23.78	24.37	25.15	25.75	26.01
30	24.41	24.59	23.72	23.64	---		24.00	23.92	24.39	25.22	25.67	25.49
31	24.46	---	23.69	23.52	---		---	24.03	---	25.28	25.67	---
MEAN	24.28	24.49	24.22	23.71	---		---	23.89	24.74	25.10	25.87	26.00
MAX	25.01	24.79	24.68	24.05	---		---	24.55	26.15	25.83	26.43	26.57
MIN	23.62	24.21	23.69	23.42	---		---	23.58	24.08	24.39	25.08	25.49

HYDROGRAPH



BEAUFORT COUNTY

320910080472001. Local number, BFT-439.

LOCATION.--Lat 32°09'10", long 80°47'20", Hydrologic Unit 03050208, 1.0 mi (1.6 Km) northwest of Braddock Point, 3.0 mi (4.8 Km) southwest of Forest Beach on Calibogue Cay Road and at Sea Pines Plantation.

Owner: Sea Pines Plantation.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (15.2 cm), depth 214 ft (65.2 m), cased to 125 ft (38.1 m), open hole to 214 ft (65.2 m).

DATUM.--Land-surface datum is 6.95 ft (2.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of platform 0.30 ft (.09 m) above casing and land-surface datum.

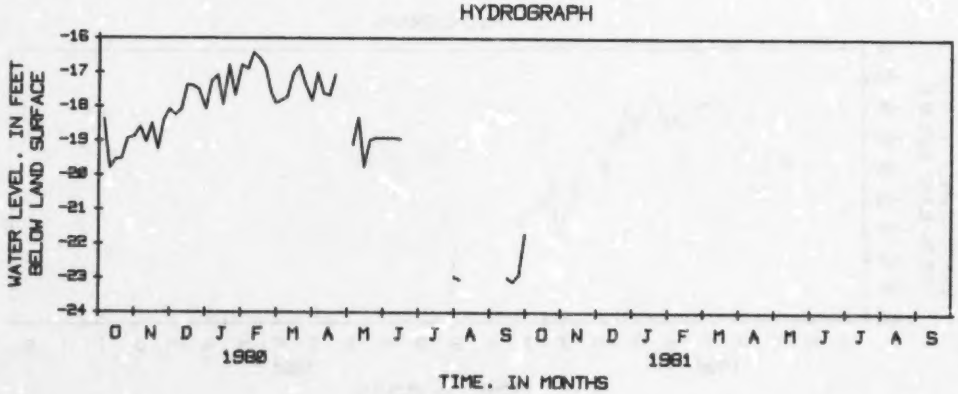
PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 15.97 ft (4.87 m) below land-surface datum, Mar. 3, 1978; lowest, 30.22 ft (9.21 m) below land-surface datum, Aug. 9, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.35	18.99	18.11	17.85	16.80	17.54	17.34	---	18.91	---	22.95	---
2	17.72	18.95	18.27	17.22	16.79	17.59	16.84	18.96	18.91	---	22.96	---
3	18.18	18.66	18.02	17.16	16.74	17.93	17.27	19.27	18.91	---	22.96	---
4	18.15	18.59	18.06	17.01	16.73	17.89	16.89	19.12	18.91	---	23.04	---
5	18.38	18.59	18.23	17.26	16.89	17.81	17.01	19.10	18.91	---	23.04	---
6	18.56	18.70	17.78	17.34	16.75	17.97	16.95	19.21	18.91	---	23.05	---
7	18.79	18.82	17.83	17.24	16.90	17.97	16.95	19.47	18.91	---	23.04	---
8	19.01	18.89	17.99	17.27	16.90	17.96	17.05	19.64	18.91	---	23.04	---
9	19.41	19.00	17.85	17.15	16.60	17.95	16.97	19.17	18.91	---	22.91	---
10	19.80	19.03	18.08	17.07	16.41	17.70	17.61	18.32	18.91	---	---	---
11	19.41	18.85	18.75	16.80	16.48	17.80	17.60	18.73	18.94	---	---	22.59
12	19.48	18.64	18.80	17.83	16.72	17.21	17.40	19.48	18.94	---	---	22.93
13	19.61	18.42	18.47	17.85	16.73	16.35	17.51	19.55	18.94	---	---	23.11
14	19.57	18.43	17.67	17.48	16.67	16.92	17.75	19.63	18.94	---	---	23.11
15	19.54	18.49	17.36	17.93	16.59	17.02	17.67	19.75	18.94	---	---	22.98
16	19.51	18.80	17.28	17.52	16.44	16.99	17.75	19.63	18.94	---	---	22.68
17	19.68	18.75	17.44	16.60	16.51	16.82	17.18	19.47	18.95	---	---	22.57
18	19.03	18.77	17.45	16.64	16.57	16.93	17.73	19.17	---	---	---	23.14
19	19.74	18.76	17.40	16.75	16.39	16.90	17.25	19.15	---	---	---	23.42
20	19.51	19.23	17.38	16.78	16.85	16.79	17.06	18.96	---	---	---	23.10
21	19.59	18.79	17.81	16.98	17.66	16.86	17.18	18.52	---	---	---	22.60
22	19.45	18.72	17.28	16.61	17.67	17.07	17.46	18.73	---	---	---	22.52
23	19.33	18.64	17.25	17.15	17.65	16.96	18.55	18.87	---	---	---	22.60
24	19.16	18.74	17.19	17.94	17.67	17.21	18.57	18.91	---	---	---	22.75
25	18.93	18.40	17.49	17.66	17.58	17.31	18.70	18.91	---	---	---	22.91
26	18.82	18.31	17.46	16.89	18.08	17.88	18.51	18.91	---	---	---	23.03
27	18.84	18.31	17.36	16.64	17.84	17.78	18.33	18.91	---	---	---	22.86
28	18.69	18.10	17.51	16.89	17.77	17.67	17.71	18.91	---	---	---	22.43
29	18.75	18.13	17.13	16.94	17.89	17.83	---	18.91	---	21.49	---	22.13
30	18.99	18.07	17.46	16.90	---	17.59	---	18.91	---	22.18	---	21.70
31	18.86	---	18.06	16.77	---	17.80	---	18.91	---	22.96	---	---
MEAN	19.09	18.65	17.75	17.17	17.01	17.42	---	---	---	---	---	---
MAX	19.83	19.23	18.80	17.94	18.08	17.97	---	---	---	---	---	---
MIN	17.72	18.07	17.13	16.60	16.39	16.35	---	---	---	---	---	---

HYDROGRAPH

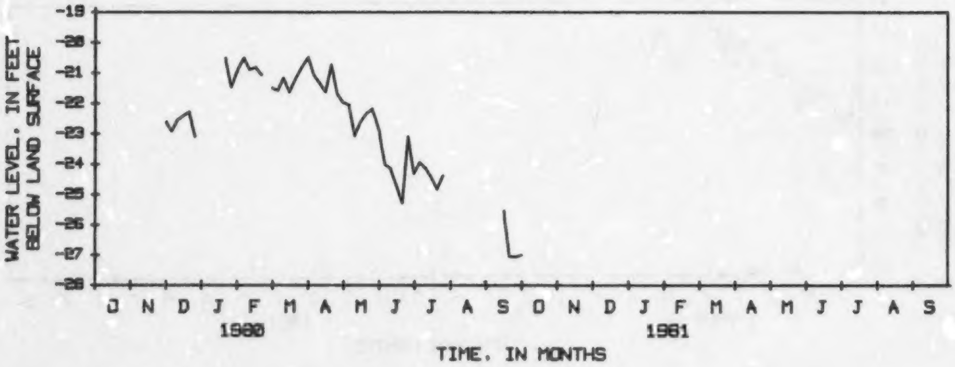


321125080423000. Local number, BFT-444.
LOCATION.--Lat 32°11'25", long 80°42'30". Hydrologic Unit 03050208, at entrance of Palmetto Dunes Corporation on U.S. Hwy. 278.
Owner: Palmetto Dunes Development Corp.
AQUIFER.--Ocala limestone.
WELL CHARACTERISTICS.--Drilled unused recreational artesian well, diameter 6 in (15.4 cm), depth 212 ft (64.6 m), cased to 146 ft (44.5 m), open hole to 212 ft (64.6 m).
DATUM.--Land-surface datum is 8 ft (2.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.95 ft (0.29 m) above land-surface datum.
PERIOD OF RECORD.--February 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 16.67 ft (5.08 m) below land-surface datum, Jan. 19, 1976; lowest, 27.12 ft (8.27 m) below land-surface datum, Sept. 26, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	22.52	---	20.73	21.10	20.76	22.65	24.43	23.25		---
2		---	22.37	---	20.68	20.14	20.63	22.54	24.23	24.28		---
3		---	22.02	---	20.52	21.64	20.55	23.10	25.15	23.71		---
4		---	22.95	---	20.72	21.24	20.58	22.41	24.18	24.37		---
5		---	22.92	---	20.50	21.58	21.06	22.05	24.00	23.94		---
6		---	22.77	---	20.38	21.44	20.78	22.71	23.97	24.20		---
7		---	22.83	---	20.66	21.59	20.70	22.57	24.98	24.04		---
8		---	22.73	---	20.52	21.06	21.39	23.23	23.73	23.59		---
9		---	22.53	---	20.66	21.29	20.62	22.70	23.81	24.66		---
10		---	22.55	---	20.89	21.16	21.34	23.08	24.15	24.14		---
11		---	22.94	---	20.25	21.24	21.15	23.72	24.14	24.32		25.39
12		---	22.59	---	20.71	20.64	22.03	23.65	24.19	24.48		25.84
13		---	22.81	---	20.55	20.83	20.91	22.79	24.11	24.27		25.54
14		---	22.69	---	20.61	21.38	21.39	23.38	24.31	24.14		25.80
15		---	22.40	---	20.81	21.63	21.62	22.61	24.70	24.44		25.55
16		---	23.34	---	20.93	21.40	21.61	22.72	24.71	24.55		26.52
17		---	22.75	19.92	21.59	21.00	21.97	22.60	---	24.94		26.83
18		---	22.87	20.61	20.96	21.25	21.11	22.22	23.83	24.45		27.05
19		---	22.40	20.91	21.23	21.57	21.48	22.12	23.58	24.45		27.04
20		---	22.28	20.52	21.07	21.20	20.73	22.34	25.28	24.83		27.06
21		---	22.47	20.98	21.41	21.39	21.36	22.65	23.30	24.78		27.01
22		---	22.54	20.66	---	21.57	21.78	21.75	24.47	24.86		25.48
23		---	23.01	21.28	---	20.98	21.31	21.61	24.86	24.79		25.37
24		---	23.21	20.94	---	20.95	22.85	21.73	24.51	24.39		27.04
25		---	23.09	21.46	---	20.84	21.69	22.18	23.09	24.38		27.07
26		---	22.61	20.78	21.52	20.39	22.83	22.23	22.84	23.96		27.12
27		---	22.74	20.81	21.45	21.10	22.00	22.62	23.62	23.25		27.05
28		---	22.84	21.00	21.57	21.00	22.00	24.17	22.74	24.14		27.02
29		22.22	22.87	20.73	21.50	20.75	22.24	22.69	23.21	23.96		27.01
30		22.63	22.85	20.99	---	20.79	21.97	24.37	24.32	23.65		27.01
31		---	---	20.87	---	20.48	---	22.89	---	---		---
MEAN		---	---	---	---	21.12	21.41	22.71	---	---		---
MAX		---	---	---	---	21.64	22.85	24.37	---	---		---
MIN		---	---	---	---	20.14	20.55	21.61	---	---		---

HYDROGRAPH



322340080455500. Local number, BFT 453.

LOCATION.--Lat 32°23'40", long 80°45'55", Hydrologic Unit 03050208, 0.75 mi (1.2 km) northeast of Broad River bridge in the intersection of State Hwy. 170, 281, and 20.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (10.3 cm), depth 104 ft (31.7 m), cased to 63 ft (19.2 m), open hole to 104 ft (31.7 m)

DATUM.--Land-surface datum is 18 ft (5.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.5 ft (1.06 m) above land-surface datum.

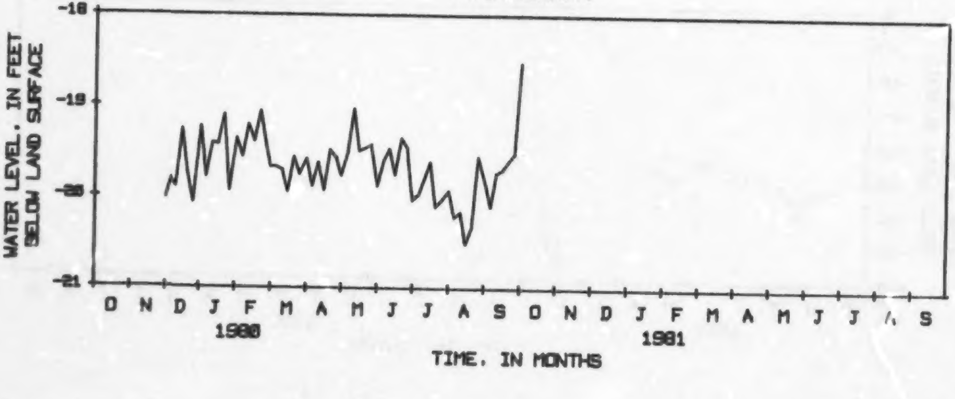
PERIOD OF RECORD.--December 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 18.02 ft (5.61 m) below land-surface datum, Sept. 4, 1979; lowest, 21.14 ft (6.39 m) below land-surface datum, January 21, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.44	---	19.92	19.48	19.51	19.02	19.51	19.60	19.93	19.70	20.01	19.87
2	19.40	---	20.24	19.55	19.47	19.37	19.35	19.58	19.93	19.64	19.88	19.97
3	19.54	---	19.87	19.41	19.42	19.79	19.40	19.60	20.02	19.75	19.91	20.12
4	19.32	---	19.82	19.21	19.49	19.63	19.53	19.60	20.13	19.86	19.72	20.14
5	19.35	---	19.80	19.78	19.56	19.67	19.88	19.52	19.60	19.97	20.22	20.10
6	19.64	---	19.65	19.83	19.62	19.87	19.56	19.44	19.43	20.07	20.24	20.12
7	---	---	19.91	19.62	19.83	19.81	19.39	19.56	19.62	19.60	20.21	20.05
8	---	---	20.41	19.82	19.77	19.90	19.40	19.66	19.87	19.38	20.18	20.02
9	---	---	19.96	19.70	19.39	20.02	19.47	19.40	19.70	19.58	20.19	19.82
10	---	---	19.89	19.41	19.21	19.70	19.62	19.03	19.47	19.80	20.16	19.73
11	---	---	19.91	19.29	19.15	19.85	19.68	19.27	19.79	19.85	20.24	19.73
12	---	---	19.91	19.67	19.40	19.46	19.52	19.54	19.69	19.76	20.33	19.63
13	---	---	19.84	19.01	19.46	19.13	19.42	19.66	19.33	19.90	20.44	19.52
14	---	---	19.79	18.98	19.48	19.96	19.33	19.68	19.47	19.63	20.43	19.70
15	---	---	19.26	19.42	19.39	19.94	19.92	19.49	19.75	19.61	20.51	19.69
16	---	---	19.10	19.17	19.23	19.82	19.99	19.54	20.09	19.76	20.63	19.64
17	---	---	19.59	18.74	19.39	19.63	19.67	20.02	20.21	19.80	20.46	19.53
18	---	---	19.48	18.95	19.24	19.92	19.49	19.32	19.78	19.90	20.05	19.70
19	---	---	19.51	19.09	19.07	19.77	19.50	19.53	19.49	20.05	20.22	19.74
20	---	---	19.74	19.10	19.06	19.56	19.48	19.46	19.35	20.10	20.33	19.60
21	---	---	19.43	19.11	19.35	19.87	19.37	19.55	19.33	20.08	20.00	19.49
22	---	---	19.24	18.99	19.43	20.22	19.48	19.47	19.22	20.06	19.79	19.52
23	---	---	19.26	19.46	19.48	19.76	19.70	19.35	19.33	20.06	19.63	19.59
24	---	---	19.27	19.90	19.54	19.39	19.74	19.40	19.32	20.06	19.54	19.64
25	---	---	20.06	19.93	19.41	19.75	19.56	19.42	19.45	20.03	19.55	19.52
26	---	---	20.00	19.67	20.33	19.53	19.33	19.27	19.68	19.94	19.57	19.51
27	---	---	19.68	19.20	19.76	19.24	19.47	19.13	19.73	19.70	19.69	19.34
28	---	---	19.39	19.25	19.74	18.93	19.73	19.44	19.78	19.65	19.77	19.98
29	---	---	19.30	19.39	19.67	19.43	19.73	19.59	19.92	19.81	19.80	18.85
30	---	20.02	19.18	19.44	---	19.20	19.76	19.73	20.03	19.88	19.78	18.52
31	---	---	19.23	19.36	---	19.58	---	19.87	---	19.92	19.81	---
MEAN	---	---	19.67	19.38	19.48	19.64	19.57	19.51	19.68	19.84	20.04	19.65
MAX	---	---	20.41	19.93	20.33	20.22	19.99	20.02	20.21	20.10	20.63	20.14
MIN	---	---	19.10	18.74	19.06	18.93	19.33	19.03	19.22	19.38	19.54	18.52

HYDROGRAPH



BEAUFORT COUNTY

321459080420101. Local number, BFT-786.

LOCATION.--Lat 32°14'59", long 80°42'01", Hydrologic Unit 03050208, North end of Hilton Head Island, where State road 335 ends and 2.0 miles (3.2 km) northwest of Hilton Head Tower.

Owner: Town of Hilton Head.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled unused artesian test well, diameter 4 in (10.2 cm), depth 524 ft (159.7 m), cased to 300 ft (91.4 m), open hole to 524 ft (159.7 m).

DATUM.--Land-surface datum is 12.14 ft (3.70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (.43 m) above land-surface datum.

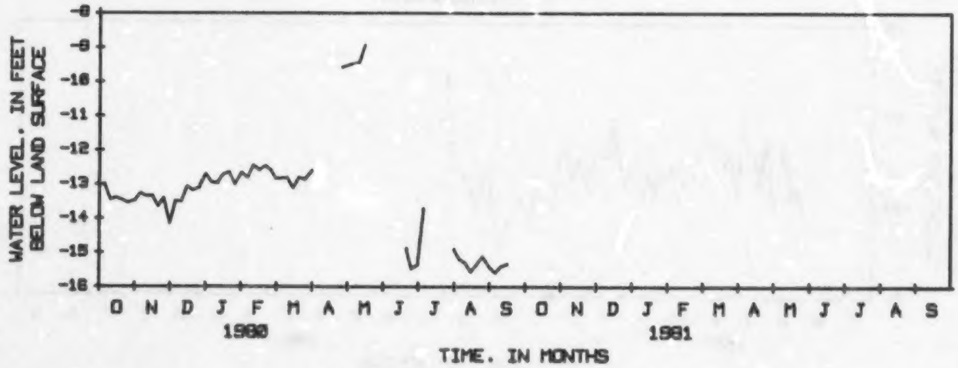
PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 8.83 ft (2.69 m) below land-surface datum, May 18, 1980; lowest 15.74 ft (4.80 m) below land-surface datum, Aug. 18, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.98	13.35	14.03	12.80	12.77	12.52	12.73	9.52	---	15.16	14.91	15.41
2	12.93	13.27	14.03	12.89	12.78	12.62	12.88	9.48	---	14.74	14.81	15.57
3	13.07	13.35	13.78	12.86	12.74	12.91	---	9.44	---	14.13	14.83	15.68
4	12.94	13.36	13.62	12.67	12.76	12.86	---	9.44	---	13.87	15.03	15.64
5	12.99	13.26	13.48	12.94	12.80	12.83	---	9.47	---	13.71	15.18	15.59
6	13.07	13.21	13.26	13.11	12.71	12.98	---	9.45	---	13.70	15.14	15.66
7	13.28	13.29	13.41	12.99	12.92	12.97	---	9.29	---	13.68	15.07	15.72
8	12.54	13.30	13.66	13.08	12.93	12.96	---	9.20	---	---	15.13	15.60
9	13.39	13.23	13.56	13.05	12.61	12.99	---	9.31	---	---	15.26	15.42
10	13.45	13.34	13.49	12.96	12.44	12.81	---	9.44	---	---	15.30	15.40
11	13.31	13.45	13.48	12.78	12.49	12.93	---	9.39	---	---	15.31	15.35
12	13.35	13.44	13.45	12.97	12.62	12.72	---	9.28	---	---	15.44	15.22
13	13.49	13.32	13.35	12.59	12.70	12.48	---	9.22	---	---	15.66	15.15
14	13.48	13.34	13.32	12.50	12.71	12.96	---	9.08	---	---	15.69	15.25
15	13.39	13.33	13.06	12.71	12.58	13.11	---	8.93	---	---	15.56	15.33
16	13.30	13.39	12.94	12.67	12.37	13.05	---	8.94	---	---	15.57	---
17	13.29	13.43	13.12	12.54	12.52	12.86	---	8.90	14.42	---	15.68	---
18	13.35	13.47	13.11	12.50	12.59	12.98	---	8.83	14.73	---	15.74	---
19	13.37	13.54	13.07	12.63	12.47	12.98	---	---	14.85	---	15.42	---
20	13.46	13.64	13.17	12.64	12.45	12.79	---	---	14.87	---	15.34	---
21	13.48	13.64	13.06	12.60	12.60	12.80	---	---	14.89	---	15.45	---
22	13.44	13.61	12.90	12.46	12.65	13.05	---	---	15.05	---	15.48	---
23	13.48	13.56	12.87	12.63	12.67	12.93	---	---	15.15	---	15.25	---
24	13.56	13.58	12.80	12.95	12.71	12.71	9.66	---	15.31	---	15.04	---
25	13.54	13.40	13.10	13.00	12.59	12.86	9.59	---	15.47	---	15.11	---
26	13.57	13.41	13.19	12.88	13.15	12.80	9.58	---	15.44	---	15.07	---
27	13.64	13.60	13.10	12.61	12.91	12.66	9.69	---	15.39	---	14.91	---
28	13.52	13.61	13.00	12.67	12.81	12.46	9.56	---	15.38	---	14.78	---
29	13.48	13.99	12.94	12.74	12.83	12.61	9.55	---	15.43	---	14.99	---
30	13.58	14.14	12.71	12.76	---	12.40	9.52	---	15.36	---	15.32	---
31	13.47	---	12.69	12.65	---	12.61	---	---	---	14.90	15.42	---
MEAN	13.33	13.46	13.25	12.77	12.69	12.81	---	---	---	---	15.25	---
MAX	13.64	14.14	14.03	13.11	13.15	13.11	---	---	---	---	15.74	---
MIN	12.54	13.21	12.69	12.46	12.37	12.40	---	---	---	---	14.78	---

HYDROGRAPH



321459080420102. Local number, BFT-787.

LOCATION.--Lat 32°14'59", long 80°42'01", Hydrologic Unit 03050208, North end of Hilton Head Island, 2.0 miles (3.2 km) northwest of Hilton Head Tower, and at end of State Road 335.
Owner: Town of Hilton Head.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled unused artesian test well, diameter 4 in (10.2 cm), depth 239 ft (72.8 m), cased to 126 ft (38.4 m), open hole to 239 ft (72.8 m).

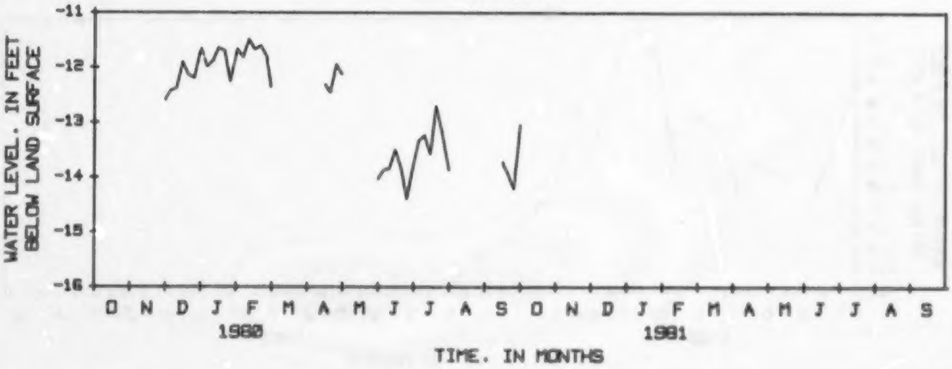
DATUM.--Land-surface datum is 12 ft (3.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (.31 m) above land-surface datum.

PERIOD OF RECORD.--July 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 9.99 ft (3.045 m) below land-surface datum, Mar. 9, 1978; lowest 15.38 ft (4.69 m) below land-surface datum May 26, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	12.57	11.78	11.77		---	---	13.98	13.74		---
2		---	12.75	11.91	11.78		---	---	13.96	13.62		---
3		---	12.50	11.75	11.74		---	---	13.80	13.39		---
4		---	12.44	11.66	11.77		---	---	13.65	13.32		---
5		---	12.41	11.98	11.81		---	---	13.86	13.33		---
6		---	11.99	12.17	11.77		---	---	13.93	13.53		---
7		---	12.38	12.02	11.99		---	---	13.81	13.86		---
8		---	12.29	12.13	11.98		---	---	13.84	13.71		---
9		---	12.44	12.07	11.66		---	12.12	13.85	13.47		---
10		---	12.37	11.88	11.48		---	12.14	13.83	13.23		---
11		---	12.41	11.69	11.49		---	12.16	13.44	13.18		14.06
12		---	12.40	11.95	11.64		---	12.10	13.37	13.35		14.16
13		---	12.32	11.48	11.72		---	---	13.69	13.40		13.81
14		---	12.30	11.38	11.80		---	---	13.64	13.72		13.75
15		---	11.90	11.64	11.67		12.31	---	13.49	13.57		13.72
16		---	11.75	11.62	11.52		12.40	---	13.24	13.32		13.93
17		---	11.98	11.53	11.65		12.43	---	13.05	13.17		14.07
18		---	11.96	11.51	11.66		12.56	12.13	13.38	12.99		14.29
19		---	11.97	11.67	11.66		12.49	---	13.73	12.73		14.32
20		---	12.13	11.69	11.60		12.45	---	13.84	12.70		13.94
21		---	11.97	11.68	11.76		12.47	---	13.95	12.71		13.71
22		---	11.78	11.55	11.82		12.47	---	14.09	12.75		13.69
23		---	11.77	11.82	11.86		12.14	---	14.22	13.10		14.01
24		---	11.57	12.18	11.91		11.97	---	14.24	13.21		14.21
25		---	12.19	12.25	11.79		11.94	---	14.39	13.17		14.20
26		---	12.27	12.02	12.43		11.98	15.38	14.42	13.53		14.20
27		---	12.10	11.63	12.01		12.14	15.21	14.40	13.89		14.05
28		---	11.92	11.64	12.01		12.27	14.68	14.20	14.04		13.47
29		12.66	11.83	11.73	12.35		12.16	14.39	13.93	13.80		13.25
30		12.59	11.65	11.76	---		12.12	14.16	13.82	13.78		13.04
31		---	11.65	11.66	---		---	14.03	---	13.86		---
MEAN		---	12.13	11.79	11.80		---	---	13.83	13.39		---
MAX		---	12.75	12.25	12.43		---	---	14.42	14.04		---
MIN		---	11.57	11.38	11.48		---	---	13.05	12.70		---


HYDROGRAPH

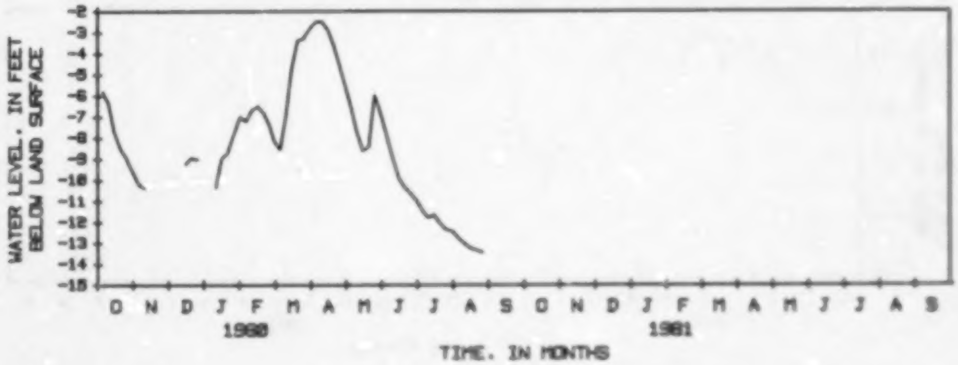
BERKELEY COUNTY

331708079413800. Local number, BRK-53.
LOCATION.--Lat 33°17'08", long 79°41'38", Hydrologic Unit 03050112, on State Hwy 41 in Jamestown behind City Hall.
Owner: Town of Jamestown.
AQUIFER.--Santee Limestone.
WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 6 in (15.38 cm), depth 32 ft (9.75 m), cased to 28 ft (8.5 m), open hole to 32 ft (9.75 m).
DATUM.--Land-surface datum is 32 ft (9.75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.56 ft (0.17 m) above land-surface datum.
REMARKS.--Water levels effected by nearby pumping.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 0.67 ft (0.20 m) below land-surface datum, Mar. 18, 1975; lowest, 15.72 ft (4.79 m) below land-surface datum, Dec. 22, 23, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.62	9.70	---	---	7.03	8.30	3.06	5.81	7.13	11.20	12.51	---
2	5.55	9.66	---	---	7.05	8.30	3.13	6.05	7.33	11.35	12.56	---
3	5.79	9.73	10.15	---	7.03	8.66	2.96	6.23	7.54	11.41	12.64	---
4	6.02	10.10	10.03	---	7.07	8.69	2.44	6.41	7.72	11.46	12.73	---
5	5.83	10.21	9.96	---	7.21	8.56	2.49	6.58	8.04	11.45	12.79	---
6	5.69	10.19	9.79	---	7.03	8.64	2.64	6.72	8.30	11.47	12.84	---
7	5.70	10.20	9.13	---	7.18	8.64	2.69	6.98	8.45	11.61	12.87	---
8	6.05	10.24	9.03	---	7.30	8.37	2.72	7.17	8.53	11.70	12.90	---
9	6.22	10.26	9.03	10.21	7.06	7.63	2.45	7.49	8.81	11.76	12.97	---
10	6.36	10.38	---	10.35	6.69	7.01	2.49	7.79	9.02	11.80	13.04	---
11	6.61	10.56	---	10.03	6.48	6.86	2.71	7.95	9.28	11.66	13.08	---
12	6.84	10.66	8.86	10.04	6.41	6.78	2.79	8.13	9.56	11.57	13.12	---
13	7.06	10.67	8.89	9.93	6.59	5.37	2.86	8.26	9.74	11.55	13.16	---
14	7.51	10.77	9.09	9.45	6.60	4.82	2.83	8.39	9.81	11.62	13.22	---
15	7.72	---	9.25	9.21	6.53	4.68	2.89	8.63	9.94	11.68	13.26	---
16	7.82	---	9.06	8.83	6.30	4.45	3.12	8.95	10.11	11.69	13.31	---
17	7.99	---	9.01	8.67	6.68	4.16	3.34	9.09	10.32	11.74	13.38	---
18	8.19	---	9.06	8.57	6.93	3.85	3.39	8.98	10.32	11.85	13.40	---
19	8.34	---	8.89	8.71	6.86	3.68	3.52	8.80	10.30	11.96	13.43	---
20	8.51	---	8.97	8.72	6.83	3.39	3.60	8.43	10.37	12.05	13.46	---
21	8.67	---	9.13	8.68	7.00	3.00	3.68	8.12	10.48	12.09	13.50	---
22	8.75	---	9.11	8.57	7.13	3.16	3.92	7.97	10.61	12.13	13.55	---
23	8.72	---	9.14	8.21	7.25	3.33	4.04	7.31	10.76	12.29	13.60	---
24	8.79	---	9.09	8.06	7.40	3.23	4.25	6.67	10.75	12.35	13.66	---
25	8.95	---	9.02	7.90	7.48	3.30	4.58	5.99	10.65	12.36	13.60	---
26	9.13	---	9.16	8.00	7.83	3.51	4.86	5.94	10.67	12.31	13.71	14.66
27	9.25	---	---	7.56	7.90	3.66	4.98	6.20	10.81	12.27	13.75	14.66
28	9.23	---	---	7.24	7.84	3.59	5.16	6.36	10.90	12.29	13.79	14.69
29	9.29	---	---	7.13	8.15	3.19	5.38	6.53	10.93	12.37	13.82	14.68
30	9.49	---	---	7.17	---	2.87	5.55	6.76	10.99	12.66	---	14.67
31	9.66	---	---	7.00	---	2.78	---	6.97	---	12.67	---	---
MEAN	7.59	---	---	---	7.06	5.37	3.68	7.34	9.61	11.97	---	---
MAX	9.66	---	---	---	8.15	8.69	5.55	9.09	10.99	12.67	---	---
MIN	5.55	---	---	---	6.30	2.78	2.44	5.81	7.13	11.20	---	---

HYDROGRAPH



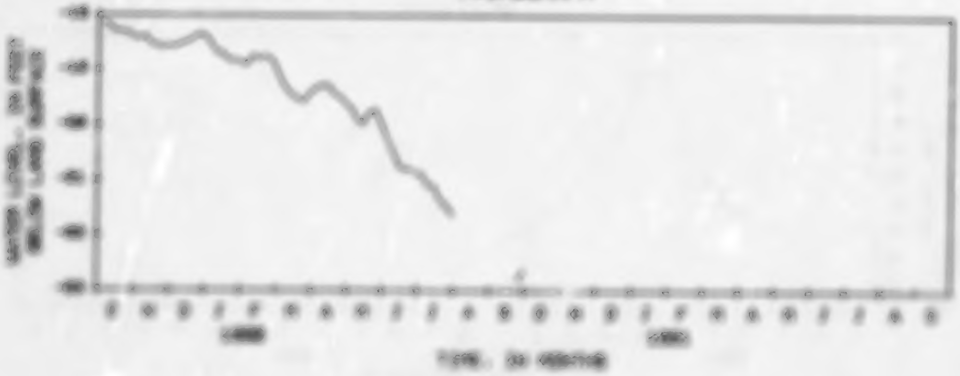
BERKELEY COUNTY

[illegible]. Local number, [illegible].
LOCATION.--Lat 33°26'03", long 79°55'10", Hydrologic Unit 03050112, northeast of St. Stephens, northeast of State road 64 on dirt road 150 ft north of old Santee Hardwood Co. water tank and at Turner Lumber Company.
Owner: Turner Lumber Co.
AQUIFER.--Sands of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused industrial artesian well, diameter 6 in (15.30 cm) to 105 ft (32.0 m), 4 in (10.2 cm) from 105-560 ft ([illegible] m), depth 560 ft (170.7 m), screened or slotted 350-390 ft (106.7-119 m).
DATUM.--Land-surface datum is 75 ft (22.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft (0.02 m) above land-surface datum.
PERIOD OF RECORD.--October 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 17.27 ft (5.27 m) below land-surface datum, Mar. 10, 1970; lowest, 22.00 ft (6.86 m) below land-surface datum, Sept. 30, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
31	[illegible]	---	[illegible]	[illegible]	---	[illegible]	---	[illegible]	---	[illegible]	---	---
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	---

HYDROGRAPH



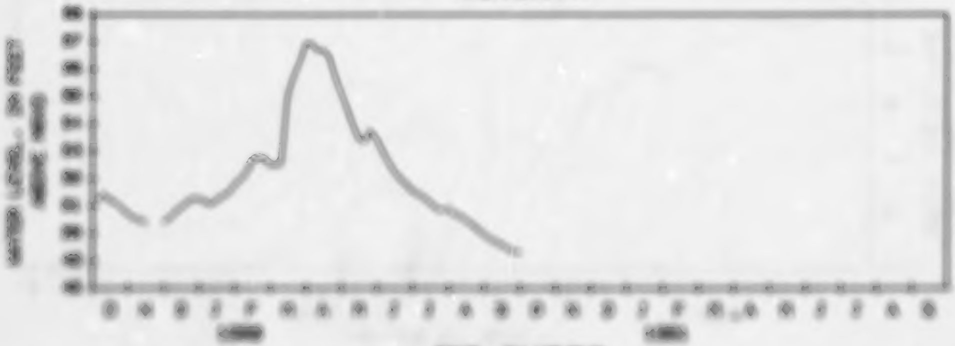
BERKELEY COUNTY

332455079545501. Local number, BRK-62, Cooper River Rediversion No. 19.
LOCATION.--Lat 33°24'55", long 79°54'55", Hydrologic Unit 03050112, near St. Stephens.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Pleistocene sands.
WELL CHARACTERISTICS.--Drilled test and observation well, diameter 6 in (15.38 cm), depth 32 ft (9.75 m), cased to 21 ft (6.4 m), screened between 21-31 ft (6.4-9.4 m).
DATUM.--Land-surface datum is 71.01 ft (21.92 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of platform, 74.61 ft (22.74 m) NGVD.
PERIOD OF RECORD.--November 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 57.02 ft (17.38 m) NGVD, April 4, 1980; lowest, 48.60 ft (14.81 m) NGVD, Nov. 28, 1978.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.03	50.66	50.46	51.25	51.86	52.55	56.86	55.00	53.37	51.69	50.92	49.93
2	51.11	50.72	50.43	51.20	51.92	52.57	56.83	54.88	53.29	51.63	50.99	49.98
3	51.10	50.68	50.44	51.17	51.99	52.61	56.83	54.78	53.22	51.61	50.86	49.86
4	51.15	50.68	50.51	51.25	52.01	52.46	57.02	54.69	53.13	51.62	50.77	49.82
5	51.26	50.59	50.56	51.19	52.02	52.50	56.93	54.60	52.99	51.66	50.72	49.80
6	51.36	50.61	50.59	51.10	52.13	52.60	56.87	54.52	52.92	51.60	50.60	49.80
7	51.41	50.59	50.61	51.14	52.06	52.60	56.85	54.36	52.87	51.47	50.66	49.79
8	51.39	50.57	50.63	51.16	52.06	52.60	56.81	54.25	52.86	51.30	50.67	49.75
9	51.43	50.56	50.60	51.11	52.27	52.54	56.85	54.11	52.68	51.35	50.69	49.72
10	51.43	50.51	50.79	51.07	52.30	52.60	56.69	53.99	52.62	51.36	50.66	49.71
11	51.42	50.60	50.84	51.20	52.42	52.56	56.50	53.93	52.50	51.33	50.62	49.67
12	51.30	50.66	50.90	51.17	52.51	52.60	56.67	53.83	52.41	51.27	50.60	49.66
13	51.30	50.67	50.96	51.19	52.63	53.03	56.61	53.76	52.37	51.20	50.56	49.63
14	51.26	50.60	50.92	51.23	52.52	54.76	56.52	53.67	52.33	51.18	50.53	49.63
15	51.26	50.38	50.96	51.23	52.73	55.02	56.49	53.51	52.25	51.16	50.50	49.60
16	51.27	----	51.06	51.27	52.86	55.26	56.65	53.38	52.17	51.14	50.46	49.58
17	51.23	----	51.03	51.33	52.86	55.63	56.57	53.36	52.07	51.10	50.41	49.53
18	51.19	----	51.09	51.38	52.83	55.85	56.50	53.30	52.09	51.03	50.41	49.50
19	[illegible]	----	51.17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	----	[illegible]	[illegible]	----	[illegible]	----	[illegible]	----	[illegible]	[illegible]	----
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

HYDROGRAPH



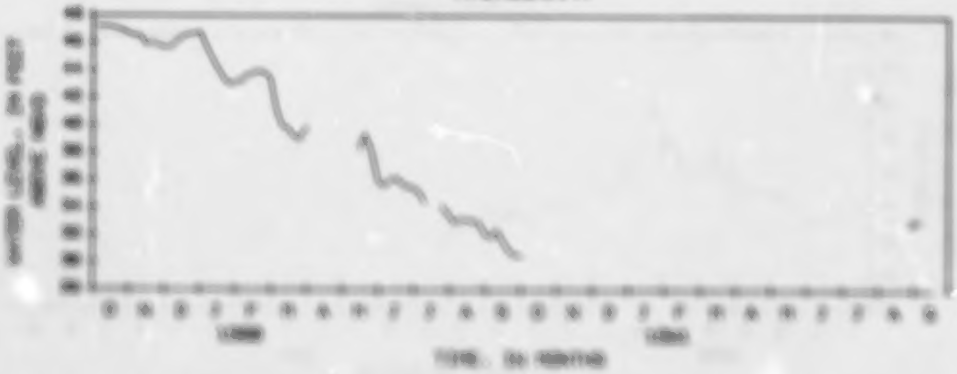
BERKELEY COUNTY

332455079545000. Local number, BRK-63, Cooper River Rediversion No. 29.
LOCATION.--Lat 33°24'55", long 79°54'55", Hydrologic Unit 03050112, at the end of North Main St. in St. Stephens.
Owner: U.S. Army Corp of Engineers.
AQUIFER.--Paleocene-Eocene limestone, Black Mingo Formation.
WELL CHARACTERISTICS.--Drilled test and observation artesian well, diameter 6 in (15.30 cm), depth 158 ft (48.17 m), cased to 133 ft (40.54 m), open hole to 158 ft (48.17 m).
DATUM.--Land-surface datum is 72.11 ft (21.98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of platform, 73.04 ft (22.07 m) NGVD.
PERIOD OF RECORD.--November 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 50.96 ft (15.53 m) NGVD, March 30, 1975; lowest, 30.34 ft (9.25 m) NGVD, Sept. 28, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.16	46.66	45.65	46.70	43.16	43.07		---	35.96	35.61	33.39	31.90
2	47.20	46.67	45.52	46.49	43.20	42.68		---	35.90	35.67	33.13	31.71
3	47.17	46.67	45.45	46.24	43.26	42.00		---	35.82	35.05	33.01	31.00
4	47.19	46.57	45.54	46.05	43.28	41.45		---	35.63	35.49	32.98	31.70
5	47.24	46.55	45.67	45.88	43.27	41.19		---	35.50	35.20	32.90	31.07
6	47.20	46.54	45.87	45.50	43.41	41.10		---	35.70	34.90	32.83	32.07
7	47.19	46.56	46.00	45.69	43.46	40.84		---	35.05	34.82	32.86	32.19
8	47.16	46.56	45.97	45.43	43.49	40.60		---	35.01	34.88	32.96	32.24
9	47.17	46.53	45.80	45.20	43.62	40.20		---	35.08	34.57	33.12	32.31
10	47.20	46.52	46.03	44.94	43.74	39.90		---	35.04	34.44	33.16	32.38
11	47.20	46.52	46.12	44.81	43.72	39.88		---	35.92	34.38	33.16	32.43
12	47.21	46.51	46.21	44.64	43.71	40.24		---	36.11	---	33.13	32.29
13	47.70	46.51	46.37	44.52	43.69	40.40		36.13	36.25	---	33.11	32.00
14	47.19	46.45	46.38	44.40	43.72	40.12		36.19	36.20	---	33.15	31.76
15	47.19	45.07	46.45	44.17	43.83	39.77		36.34	36.23	---	33.14	31.60
16	47.20	45.72	46.60	43.92	43.07	39.52		36.50	36.14	---	33.09	31.40
17	47.16	45.83	46.58	43.78	43.90	39.37		36.49	36.14	---	33.12	31.22
18	47.13	45.93	46.56	43.66	43.87	39.31		36.70	35.97	---	33.15	31.09
19	47.11	45.97	46.44	43.53	43.92	39.22		35.10	35.88	---	33.10	30.97
20	[illegible]	46.01	46.43	43.48	43.98	39.21		[illegible]	35.85	---	33.03	30.91
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	---	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	---	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	---	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	---	[illegible]	[illegible]	---	[illegible]		[illegible]	---	[illegible]	[illegible]	---
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		---	[illegible]	---	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		---	[illegible]	---	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		---	[illegible]	---	[illegible]	[illegible]

HYDROGRAPH



BERKELEY COUNTY

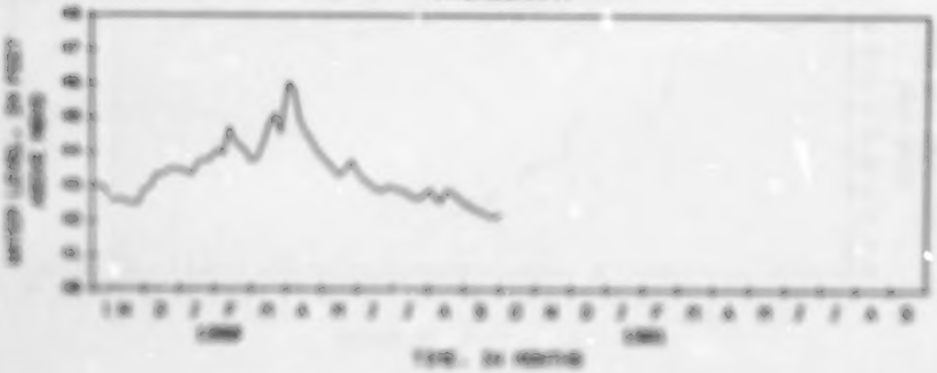
332630079592501. Local number, BRK-64, Cooper River Rediversion No. 3.
LOCATION.--Lat 33°26'30", long 79°59'25", Hydrologic Unit 03050112, at intersection of state roads 6 and 35 west of U.S. Hwy. 52.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Pleistocene sands.
WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.30 cm), depth 35 ft (10.67 m), cased to 20 ft (6.10 m), screened to 35 ft (10.67 m).
DATUM.--Land-surface datum is 58.64 ft (17.87 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.6 ft (.792 m) above land-surface datum.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 46.12 ft (14.06 m) NGVD, Mar. 30, 1980; lowest, 41.17 ft (12.55 m) NGVD, Nov. 25, 26, 27, 28, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.99	42.54	42.94	43.48	44.10	43.78	45.35	43.82	43.36	42.88	42.90	42.49
2	43.01	42.57	42.92	43.44	44.08	43.78	45.15	43.79	43.31	42.82	42.87	42.46
3	42.99	42.60	42.93	43.42	44.06	43.60	45.10	43.76	43.28	42.79	42.82	42.44
4	43.01	42.59	42.97	43.48	44.00	43.75	45.67	43.72	43.26	42.81	42.78	42.42
5	43.05	42.61	42.98	43.43	43.95	43.80	45.81	43.69	43.20	42.93	42.71	42.40
6	43.06	42.64	43.08	43.35	44.05	43.77	45.37	43.66	43.18	42.96	42.66	42.38
7	43.05	42.64	43.26	43.40	44.06	43.81	45.15	43.60	43.16	42.93	42.64	42.37
8	43.02	42.64	43.27	43.37	44.07	43.93	45.05	43.57	43.16	42.90	42.61	42.34
9	43.01	42.64	43.31	43.36	44.24	44.10	45.10	43.52	43.10	42.87	42.59	42.33
10	42.98	42.60	43.35	43.35	44.72	44.23	44.94	43.49	43.08	42.86	42.57	42.31
11	42.97	42.57	43.36	43.51	44.66	44.12	44.77	43.47	43.06	42.85	42.55	42.29
12	42.94	42.56	43.35	43.53	44.46	44.19	44.73	43.43	43.00	42.81	42.60	42.28
13	42.90	42.59	43.37	43.60	44.30	45.07	44.68	43.40	42.99	42.79	42.80	42.27
14	42.83	42.55	43.32	43.67	44.28	45.62	44.67	43.37	42.96	42.76	42.87	42.27
15	42.82	42.54	43.34	43.72	44.31	44.83	44.59	43.32	42.93	42.75	42.89	42.25
16	42.81	42.55	43.59	43.72	44.39	44.69	44.48	43.27	42.90	42.76	42.88	42.23
17	42.76	42.53	43.67	43.76	44.21	44.60	44.43	43.27	42.86	42.72	42.85	42.22
18	42.75	42.52	43.52	43.75	44.19	45.29	44.42	43.36	42.89	42.69	42.80	42.19
19	42.73	42.51	43.55	43.75	44.23	45.17	44.37	43.43	42.88	42.66	42.85	42.18
20	42.71	42.49	43.60	43.77	44.17	45.13	44.30	43.50	42.87	42.65	42.86	42.16
21	[illegible]	42.49	43.67	43.76	44.04	45.04	44.33	43.56	42.86	42.63	42.80	42.15
22	[illegible]	42.49	43.50	43.81	44.04	45.21	44.25	43.50	42.83	42.63	42.76	42.15
23	[illegible]	42.48	43.49	43.79	44.02	44.70	44.23	43.67	42.81	42.62	42.73	42.16
24	[illegible]	42.46	43.53	43.70	43.96	44.76	44.15	43.75	42.83	42.59	42.70	42.12
25	[illegible]	42.48	43.52	43.70	43.99	44.56	44.07	43.76	43.00	42.71	42.67	42.10
26	[illegible]	42.71	43.65	43.76	43.80	44.61	44.02	43.60	43.06	42.83	42.63	42.10
27	[illegible]	42.85	43.63	43.99	43.84	44.72	44.02	43.60	43.05	42.93	42.58	42.08
28	[illegible]	42.93	43.38	44.02	43.90	44.05	43.96	43.55	43.04	42.90	42.56	42.07
29	[illegible]	42.92	43.43	44.00	43.76	45.76	43.92	43.51	43.01	42.90	42.54	42.11
30	[illegible]	42.92	43.49	43.98	---	46.12	43.87	43.44	42.96	42.97	42.53	42.19
31	[illegible]	---	43.60	44.00	---	46.06	---	43.41	---	42.93	42.51	---
MEAN	[illegible]	42.61	43.36	43.66	44.17	44.69	44.63	43.58	43.03	42.81	42.72	42.25
MAX	43.06	42.93	43.65	44.06	44.77	46.12	45.81	43.82	43.36	42.98	42.90	42.49
MIN	[illegible]	42.46	42.92	43.35	43.76	43.60	43.87	43.27	42.81	42.59	42.51	42.07

WTR YR 1980 TOTAL 15866.13 MEAN 43.35 MAX 46.12 MIN 42.07

HYDROGRAPH



BERKELEY COUNTY

332630079592500. Local number, BRK-65, Cooper River Rediversion No. 4.

LOCATION.--Lat 33°26'30", long 79°59'25", Hydrologic Unit 03050112, at Intersection of state roads 6 and 35 west of U.S. Hwy. 52. Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene - Eocene limestone, Black Mingo Formation.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 130 ft (39.62 m), cased to 102 ft (31.09 m), open hole to 130 ft (39.62 m).

DATUM.--Land-surface datum is 58.57 ft (17.85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.6 ft (.792 m) National Geodetic Vertical Datum of 1929 above land-surface datum.

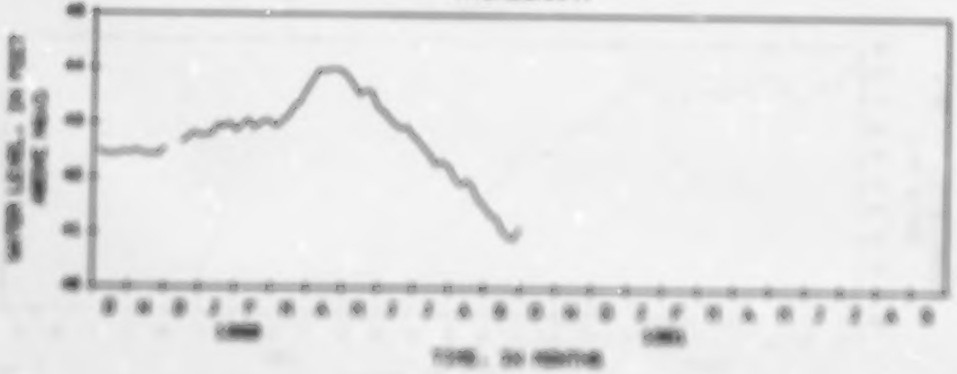
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 44.15 ft (13.47 m) NGVD, Apr. 14, 1977; lowest, 40.79 ft (12.24 m) NGVD, Sept. 27, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.49	42.46	42.50	42.68	43.02	[illegible]	43.61	43.93	43.28	42.73	42.20	41.47
2	42.50	42.49	42.51	42.79	42.99	43.05	43.64	43.89	43.31	42.66	42.20	41.44
3	42.43	42.52	42.49	42.55	43.01	43.03	43.76	43.83	43.29	42.65	42.17	41.44
4	42.43	42.49	42.55	42.66	43.00	43.01	43.80	43.85	43.26	42.59	42.13	41.39
5	42.50	42.50	---	42.80	42.98	42.95	43.81	43.86	43.22	42.60	42.03	41.34
6	42.44	42.52	---	42.80	43.00	42.85	43.84	43.84	43.14	42.67	41.96	41.32
7	42.46	42.53	---	42.70	42.98	42.94	43.90	43.80	43.12	42.62	41.93	41.35
8	42.42	42.53	---	42.85	42.95	42.99	43.97	43.75	43.18	42.57	41.92	41.34
9	42.41	42.50	---	42.85	43.02	43.08	44.02	43.69	43.13	42.55	41.89	41.32
10	42.43	42.47	---	42.82	43.07	43.06	43.99	43.70	43.10	42.56	41.90	41.31
11	42.45	42.40	42.63	42.91	43.00	43.08	43.90	43.64	43.05	42.55	41.90	41.31
12	42.46	42.52	42.61	42.88	42.90	43.12	43.91	43.58	43.01	42.46	42.02	41.30
13	42.39	42.52	42.65	42.93	42.93	43.35	43.93	43.59	43.00	42.47	42.03	41.17
14	42.40	42.40	42.63	42.99	42.96	43.26	44.01	43.56	42.98	42.45	42.01	41.23
15	42.44	42.43	42.64	42.98	42.92	43.15	43.07	43.54	42.98	42.43	41.90	41.00
16	42.47	42.39	42.75	42.89	43.06	43.17	43.98	43.50	42.93	42.40	41.91	40.97
17	42.47	42.37	42.73	42.96	43.01	43.23	43.92	43.45	42.88	42.39	41.92	41.10
18	42.46	42.42	42.71	42.96	42.99	43.20	43.91	43.49	42.93	42.35	41.91	41.02
19	42.47	42.46	42.75	42.90	42.92	43.27	43.88	43.55	42.93	42.27	41.85	40.97
20	42.41	42.46	42.74	42.94	[illegible]	43.32	44.00	43.62	42.92	42.27	41.80	40.96
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	---	[illegible]	[illegible]	---	[illegible]	---	[illegible]	---	[illegible]	[illegible]	---
[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

HYDROGRAPH



[illegible]32435079580500. Local number, BRK-66. Cooper River Rediversion No. 5.

LOCATION.--Lat 33°24'35", long 79°58'05", Hydrologic Unit 03050112, in fork of side roads connecting State Hwys 45 and 18.
Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 42 ft (12.8 m), cased to 32 ft (9.75 m), screened to 42 ft (12.8 m).

DATUM.--Land-surface datum is 83.94 ft (25.58 m) National Geodetic Vertical Datum of 1929 . Measuring point, 2.84 ft (0.866 m) above land-surface datum.

PERIOD OF RECORD.--September 1975 to current year.

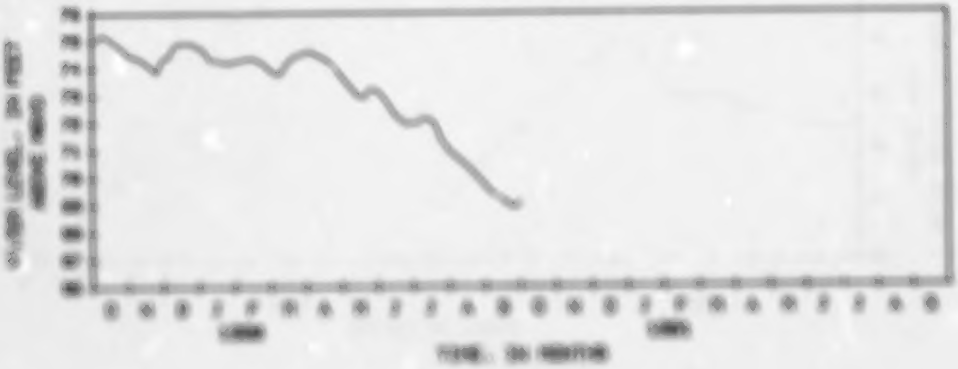
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 76.20 ft (23.22 m) NGVD, Dec. 1, 1978; lowest, 68.82 ft (20.99 m) NGVD , Sept. 20, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.78	74.66	74.37	74.74	74.27	73.91	74.57	73.68	73.15	71.89	70.95	69.67
2	74.89	74.64	74.38	74.72	74.27	73.9[illegible]	74.55	73.61	73.11	71.82	70.97	69.62
3	74.94	74.46	74.39	74.69	74.28	73.84	74.58	73.56	73.06	71.83	70.95	69.53
4	74.99	74.42	74.40	74.66	74.29	73.80	74.61	73.52	73.01	71.92	70.89	69.48
5	75.10	74.41	74.43	74.62	7[illegible].28	73.78	74.60	73.47	72.95	71.99	70.81	69.45
6	75.14	74.41	74.51	74.55	74.29	73.75	74.58	73.43	72.88	72.05	70.70	69.47
7	75.18	74.41	74.62	74.50	74.26	73.72	74.54	73.37	72.82	72.09	70.72	69.46
8	75.19	74.39	74.70	74.45	7[illegible].23	73.72	74.52	73.32	72.77	72.12	70.69	69.42
9	75.20	74.37	74.76	74.39	74.26	73.76	74.53	73.26	72.70	72.14	70.66	69.38
10	75.20	74.34	74.81	74.28	74.35	73.80	74.47	73.20	72.66	72.17	70.62	69.34
11	75.19	74.31	74.84	74.29	74.30	73.81	74.41	73.15	72.58	72.21	70.56	69.31
12	75.18	74.28	74.87	74.26	74.42	73.82	74.36	73.09	72.77	72.20	70.51	69.29
13	75.16	74.26	74.89	74.24	74.40	74.01	74.36	73.04	72.45	72.18	70.51	69.24
14	75.11	74.23	74.90	74.28	74.37	74.12	74.39	73.01	72.37	72.15	70.47	69.21
15	75.07	74.19	74.92	74.27	74.35	74.17	74.37	72.96	72.31	72.12	70.44	69.18
16	75.05	74.17	74.99	74.16	74.30	74.22	74.32	72.91	72.28	72.10	70.40	69.12
17	75.02	74.14	75.01	74.16	74.34	74.27	74.28	72.86	72.25	72.07	70.36	69.09
18	74.99	74.10	75.00	74.16	74.30	74.34	7[illegible].26	72.91	72.23	72.03	70.31	69.07
19	74.95	74.06	75.01	74.21	74.29	74.33	[illegible].24	72.90	72.17	71.98	70.25	69.02
20	74.91	74.02	74.92	74.20	74.26	74.30	74.23	72.93	72.11	71.93	70.22	69.02
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	---	[illegible]	[illegible]	---	[illegible]	---	[illegible]	---	[illegible]	[illegible]	---
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WTR YR 1980 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible]

HYDROGRAPH



332435079580501. Local number, BRK-67, Cooper River Rediversion No. 6.

LOCATION.--Lat 33°24'35", long 79°58'05", Hydrologic Unit 03050112, in fork of side roads connecting State Hwys 45 and 18. Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene - Eocene Limestone, Black Mingo Formation.

WELL CHARACTERISTICS.--Cased observation well, diameter 6 in (15.38 cm), depth 173 ft (52.73 m) cased to 140 ft (42.67 m), open hole to 173 ft (52.73 m).

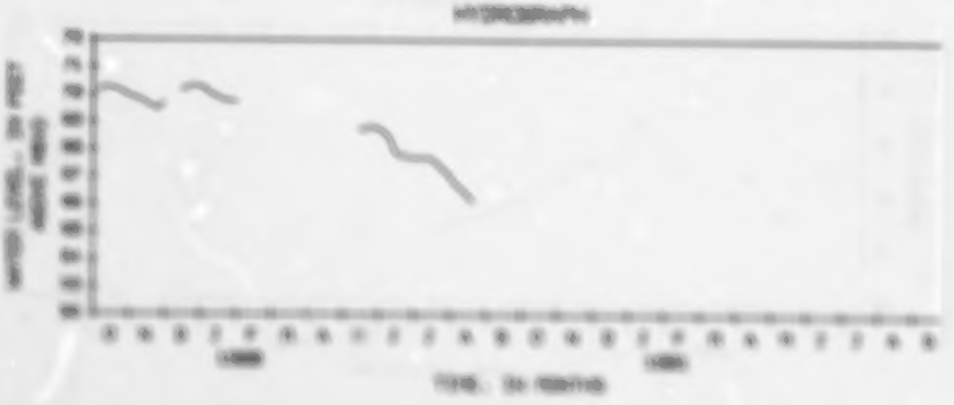
DATUM.--Land-surface datum is 84.06 ft (25.62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.74 ft (1.14 m) above land-surface datum.

PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 71.02 ft (21.64 m) NGVD, Jan. 26, 1978; lowest, 48.10 ft (14.66 m) NGVD, Sept. 10, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69.91	69.94	69.73	70.29	69.77			---	68.79	67.67	66.95	
2	69.97	69.93	69.74	70.27	---			---	68.77	67.61	66.92	
3	70.01	69.95	69.74	70.25	---			---	68.74	67.60	66.90	
4	70.04	69.90	69.76	70.24	---			---	68.72	67.67	66.85	
5	70.16	69.89	---	70.22	---			---	68.67	67.69	66.70	
6	70.10	69.88	---	70.16	---			---	68.62	67.71	66.61	
7	70.21	69.88	---	70.14	---			---	68.59	67.71	66.65	
8	70.22	69.86	---	70.11	---			---	68.55	67.71	66.64	
9	70.25	69.85	---	70.07	---			---	68.50	67.72	66.65	
10	70.27	69.83	---	69.99	---			---	68.44	67.74	66.60	
11	70.29	69.81	70.06	70.00	---			---	68.34	67.77	66.54	
12	70.29	69.79	70.10	69.97	---			---	68.14	67.76	66.53	
13	70.30	69.78	70.13	69.95	---			68.00	67.91	67.75	66.50	
14	70.27	69.74	70.15	69.90	69.91			68.04	67.88	67.73	66.45	
15	70.26	69.70	70.18	69.85	69.92			68.77	67.90	67.70	66.40	
16	70.26	69.68	70.25	69.87	69.88			68.71	67.90	67.69	66.34	
17	70.25	69.66	70.27	69.83	69.86			68.68	67.86	67.67	66.30	
18	70.24	69.61	70.29	69.78	---			68.73	67.91	67.64	66.26	
19	70.22	69.61	70.30	69.80	---			68.72	67.86	67.60	66.20	
20	70.20	69.58	70.25	69.81	---			68.76	67.80	67.56	66.15	
21	70.18	69.56	70.16	69.77	---			68.77	67.76	67.52	66.14	
22	[illegible]	[illegible]	[illegible]	[illegible]	---			[illegible]	[illegible]	[illegible]	---	
23	[illegible]	[illegible]	[illegible]	[illegible]	---			[illegible]	[illegible]	[illegible]	---	
24	[illegible]	[illegible]	[illegible]	[illegible]	---			[illegible]	[illegible]	[illegible]	---	
25	[illegible]	[illegible]	[illegible]	[illegible]	---			[illegible]	[illegible]	[illegible]	---	
26	[illegible]	[illegible]	[illegible]	[illegible]	---			[illegible]	[illegible]	[illegible]	---	
27	[illegible]	[illegible]	[illegible]	[illegible]	---			[illegible]	[illegible]	[illegible]	---	
28	[illegible]	[illegible]	[illegible]	[illegible]	---			[illegible]	[illegible]	[illegible]	---	
29	[illegible]	[illegible]	[illegible]	[illegible]	---			[illegible]	[illegible]	[illegible]	---	
30	[illegible]	[illegible]	[illegible]	[illegible]	---			[illegible]	[illegible]	[illegible]	---	
31	[illegible]	---	[illegible]	[illegible]	---			[illegible]	---	[illegible]	---	
MEAN	[illegible]	[illegible]	---	[illegible]	---			---	[illegible]	[illegible]	---	
MAX	[illegible]	[illegible]	---	[illegible]	---			---	[illegible]	[illegible]	---	
MIN	[illegible]	[illegible]	---	[illegible]	---			---	[illegible]	[illegible]	---	



BERKELEY COUNTY

332525079562000. Local number, BRK-68, Cooper River Rediversion No. 7.

LOCATION.--Lat 33°25'25", long 79°56'20", Hydrologic Unit 03050112, northwest of St. Stephens to State Hwy. 293, north across State Hwy. 64, dirt road to 0.5 mi (0.8 Km) south of Crawl Creek.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene sands.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 35 ft (10.67 m), cased to 25 ft (7.62 m), screened to 35 ft (10.67 m).

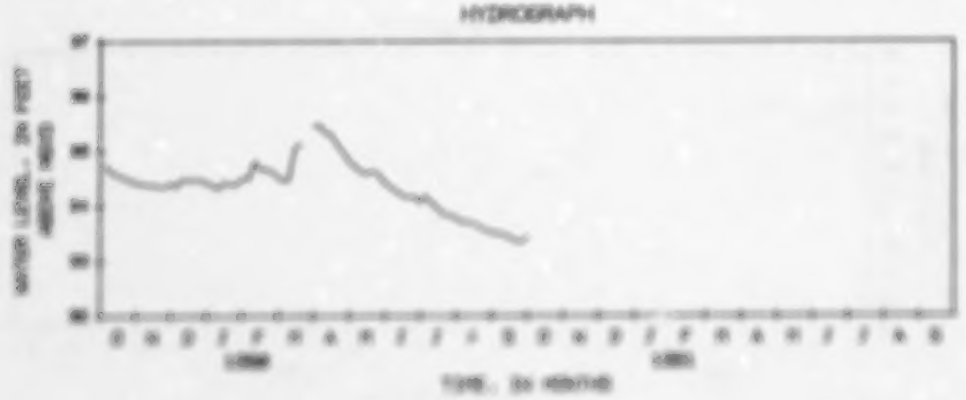
DATUM.--Land-surface datum is 49.68 ft (15.14 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.5 ft (.762 m) above land-surface datum.

PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.06 ft (10.99 m) NGVD, Oct. 30, 1975; lowest, 33.32 (10.16 m) NGVD, Sept. 27, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.69	34.42	34.41	34.41	34.56	34.53	35.34	34.82	34.41	34.05	33.78	33.49
2	34.67	34.43	34.38	34.39	34.53	34.52	35.31	34.80	34.40	34.05	33.76	33.49
3	34.66	34.44	34.36	34.37	34.52	34.47	35.33	34.78	34.38	34.05	33.75	33.49
4	34.63	34.41	34.36	34.37	34.51	34.44	35.47	34.75	34.36	34.16	33.72	33.49
5	34.73	34.40	34.35	34.36	34.50	34.46	35.48	34.73	34.34	34.18	33.70	33.49
6	34.70	34.40	34.44	34.34	34.53	34.44	35.40	34.72	34.32	34.16	33.70	33.55
7	34.67	34.40	34.67	34.34	34.57	34.42	35.38	34.70	34.32	34.09	33.70	33.54
8	34.66	34.39	34.55	34.33	34.56	34.45	35.37	34.68	34.31	34.07	33.72	33.50
9	34.63	[illegible]	34.51	34.33	34.58	34.48	35.38	34.66	34.28	34.07	33.75	33.47
10	34.62	34.38	34.49	34.32	34.61	34.47	35.33	34.64	34.27	34.05	33.71	33.48
11	34.62	34.38	34.50	34.35	34.70	34.67	35.27	34.62	34.25	34.09	33.69	33.45
12	34.61	34.37	34.48	34.36	34.72	34.71	35.23	34.60	34.23	34.04	33.69	33.45
13	34.60	34.38	34.47	34.35	34.64	35.03	35.20	34.60	34.22	34.03	33.70	33.44
14	34.58	34.38	34.46	34.39	34.66	35.31	35.29	34.59	34.20	34.00	33.69	33.43
15	34.57	34.37	34.46	34.43	34.67	35.05	35.31	34.58	34.19	33.97	33.67	33.42
16	34.55	34.36	34.55	34.40	34.71	35.00	35.22	34.57	34.17	33.95	33.67	33.40
17	34.54	34.37	34.52	34.38	34.71	34.98	35.19	34.57	34.16	33.92	33.67	33.39
18	34.53	34.37	34.49	34.39	34.67	35.16	35.17	34.60	34.18	33.88	33.66	33.38
19	34.52	34.36	34.49	34.40	34.67	35.06	35.15	34.60	34.14	33.88	33.64	33.36
20	34.52	34.36	34.48	34.39	34.67	35.13	35.13	34.63	34.14	33.86	33.63	33.37
21	34.51	34.36	34.47	34.38	34.65	35.31	35.11	34.65	34.15	33.85	33.60	33.36
22	34.51	34.35	34.46	34.38	34.66	35.15	35.08	34.59	34.14	33.85	33.58	33.35
23	34.50	34.34	34.45	34.40	34.63	35.07	35.06	34.66	34.11	33.83	33.57	33.34
24	34.49	34.33	34.45	34.40	34.62	---	35.03	34.64	34.14	33.82	33.57	33.33
25	34.48	34.33	34.47	34.38	34.62	---	35.00	34.58	34.18	33.82	33.56	33.33
26	34.47	34.50	34.45	34.55	34.60	34.98	34.95	34.55	34.10	33.87	33.55	33.33
27	34.45	34.51	34.44	34.52	34.60	34.97	34.92	34.52	34.13	33.82	33.54	33.32
28	34.44	34.46	34.42	34.53	34.56	35.03	34.90	34.49	34.10	33.80	33.53	33.33
29	34.43	34.45	34.42	34.49	34.54	35.42	34.87	34.44	34.08	33.83	33.52	33.41
30	34.42	34.42	34.42	34.47	---	35.44	34.84	34.45	34.06	33.82	33.52	33.42
31	34.41	---	34.43	34.51	---	35.46	---	34.43	---	33.79	33.51	---
MEAN	34.58	34.40	34.48	34.41	34.62	---	35.19	34.62	34.22	33.96	33.65	33.42
MAX	34.73	34.50	34.67	34.53	34.81	---	35.48	34.82	34.41	34.18	33.78	33.55
MIN	34.41	34.33	34.35	34.32	34.50	---	34.84	34.43	34.06	33.79	33.51	33.32

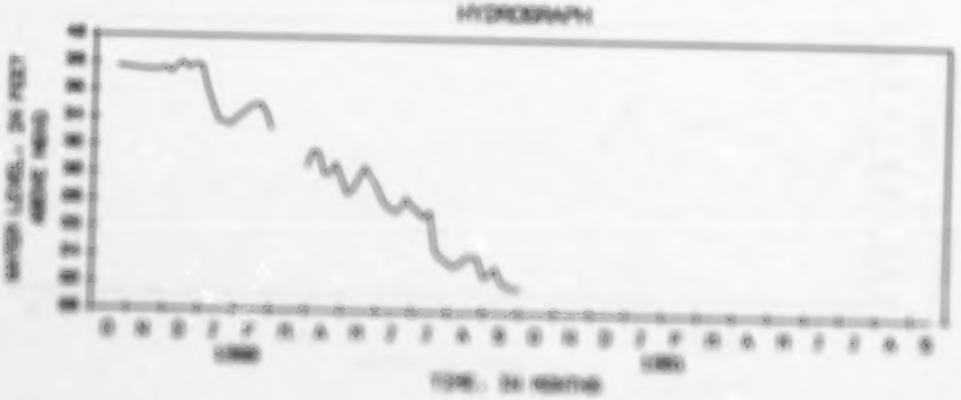


332525079562001. Local number, BRK-69, Cooper River Rediversion No. 8.
LOCATION.--Lat 33°25'25", long 79°56'20", Hydrologic Unit 03050112, northwest of St. Stephens to State Hwy 293, north across State Hwy 64, dirt road to 0.5 mi (0.8 Km) south of Crawl Creek.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Paleocene - Eocene Limestone, Black Mingo Formation.
WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 113 ft (34.44 m), cased to 73 ft (22.25 m), open hole to 113 ft (34.44 m).
DATUM.--Land-surface datum is 49.59 ft (15.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.8 ft (1.16 m) above land-surface datum.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 41.44 ft (12.63 m) NGVD, April 6, 1977; lowest, 21.70 ft (6.62 m) NGVD, Sept. 28, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	37.60	37.67	37.53	34.33	32.10	31.16	29.06	28.82	27.74	23.54	22.48
2	---	37.36	37.60	37.02	34.34	31.00	31.97	29.50	28.56	27.70	23.46	22.42
3	---	37.67	37.53	36.66	34.34	30.14	32.15	29.09	28.36	27.72	23.44	22.30
4	---	37.63	37.60	36.41	34.37	---	31.60	28.73	28.21	27.78	23.37	22.59
5	---	37.60	37.35	36.20	34.43	---	31.73	28.59	28.06	27.63	23.35	22.85
6	---	37.66	37.59	36.07	34.76	---	33.[illegible]	28.95	27.95	27.26	23.66	23.09
7	---	37.62	37.75	36.28	34.68	---	33.95	28.93	27.87	27.15	23.52	23.20
8	---	37.63	37.79	35.98	34.74	---	32.57	28.95	27.83	27.05	23.58	23.24
9	---	37.62	37.79	35.35	34.80	---	32.05	29.19	27.76	26.98	23.61	23.27
10	---	36.53	37.89	34.94	34.84	---	31.62	28.99	27.66	26.94	23.58	23.30
11	---	37.60	37.95	34.89	34.83	---	31.52	29.32	27.56	27.51	23.55	23.30
12	---	37.58	38.00	35.09	34.83	---	31.11	29.39	27.50	27.66	23.56	22.92
13	---	36.69	38.06	34.73	34.63	---	30.66	29.25	27.43	27.92	23.80	22.50
14	---	37.62	38.08	34.41	34.96	---	30.31	29.72	27.30	27.73	23.95	22.61
15	---	37.50	38.09	33.88	35.04	---	30.05	29.70	27.36	27.41	24.01	22.31
16	---	37.65	38.16	33.54	35.15	---	30.09	29.85	27.36	26.91	24.06	22.21
17	---	37.60	38.07	33.62	35.00	---	30.46	29.56	27.36	25.63	24.06	22.16
18	---	37.51	38.08	33.75	34.97	---	30.72	30.77	27.39	25.06	24.09	22.00
19	37.87	37.52	38.00	33.70	35.87	---	30.62	31.60	27.36	26.72	24.06	22.02
20	37.75	37.55	37.67	33.79	35.11	---	30.12	30.50	27.63	26.51	24.16	21.90
21	37.83	37.57	37.74	33.71	34.98	---	30.15	30.60	27.66	26.45	24.15	21.90
22	37.81	37.56	37.69	33.53	34.85	---	30.62	30.26	27.72	26.39	24.12	21.93
23	37.80	37.50	37.96	33.48	34.56	---	30.93	29.99	27.80	26.19	24.16	21.90
24	37.22	37.55	37.57	33.41	34.64	---	31.07	29.95	28.16	26.12	24.20	21.85
25	37.73	37.52	37.80	33.57	34.62	---	30.66	29.90	28.38	26.00	24.06	21.81
26	37.73	37.66	38.03	33.74	34.60	29.09	29.09	29.81	28.36	23.66	23.60	21.77
27	37.72	37.64	38.07	33.48	34.50	29.62	29.40	29.75	27.86	23.70	23.75	21.76
28	37.66	37.63	38.00	33.88	34.10	29.80	29.38	29.58	27.70	23.81	23.06	21.70
29	37.69	37.70	38.05	34.04	33.36	30.15	29.57	29.16	27.75	24.00	22.70	21.77
30	37.67	37.66	37.90	34.08	---	30.36	29.77	29.20	27.72	23.95	22.93	21.83
31	37.65	---	37.80	34.18	---	30.50	---	29.18	---	23.67	22.57	---
MEAN	---	37.51	37.80	[illegible]	[illegible]	---	[illegible]	[illegible]	27.82	[illegible]	23.64	[illegible]
MAX	---	37.70	38.16	37.53	[illegible]	---	33.95	[illegible]	28.82	27.92	24.20	[illegible]
MIN	---	36.53	37.35	[illegible]	[illegible]	---	[illegible]	[illegible]	27.30	23.67	22.57	21.70

HYDROGRAPH



BERKELEY COUNTY

332425079535000. Local number, BRK-70, Cooper River Rediversion No. 11.

LOCATION.--Lat 33°24'25", long 79°53'50", Hydrologic Unit 03050112, 1.3 mi (2.1 Km) east of St. Stephens on State Hwy 45, left on dirt road under power lines, 1000 ft (305 m) north of highway.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 35 ft (10.67 m), cased to 20 ft (6.10 m) screened to 35 ft (10.67 m).

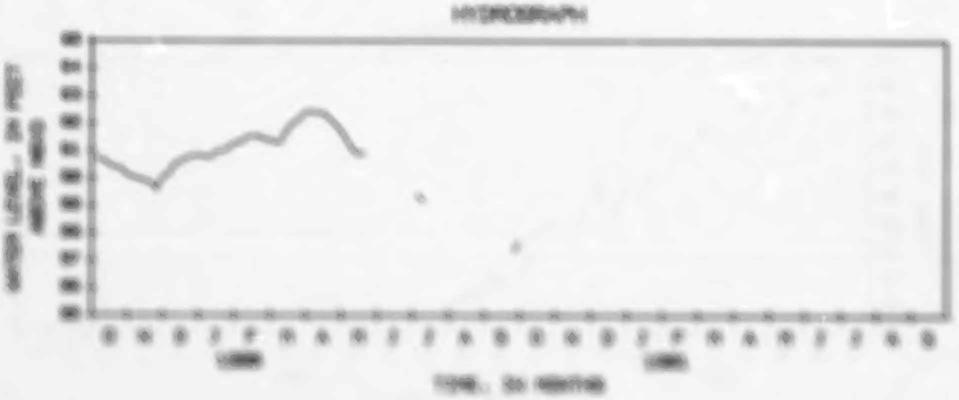
DATUM.--Land-surface datum is 77.18 ft (23.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.79 ft (.850 m) above land-surface datum.

PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 62.49 ft (19.06 m) NGVD, April 4, 1980; lowest, 57.16 ft (17.42 m) NGVD, Oct. 15, 1978.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.56	60.13	60.07	60.83	61.32	61.39	62.36	61.73		---	---	---
2	60.60	60.15	60.05	60.80	61.31	61.34	62.35	61.66		59.29	---	---
3	60.59	60.15	60.07	60.81	61.30	61.30	62.38	61.58		59.29	---	---
4	60.59	59.99	60.16	60.82	61.31	61.30	62.40	61.50		59.31	---	---
5	60.69	60.05	60.16	60.81	61.32	61.31	62.43	61.44		59.39	---	---
6	60.71	60.09	60.26	60.70	61.38	61.31	62.40	61.40		59.41	---	---
7	60.71	60.09	60.42	60.73	61.40	61.30	62.39	61.36		59.37	---	---
8	60.68	60.07	60.42	60.77	61.38	61.28	62.39	61.30		59.31	---	---
9	60.69	60.03	60.43	60.76	61.42	61.19	62.41	61.26		59.25	---	---
10	60.69	59.98	60.49	60.78	61.51	61.34	62.39	61.09		59.21	---	---
11	60.69	59.93	60.52	60.85	61.53	61.36	62.34	61.03		---	---	---
12	60.67	59.91	60.57	60.88	61.54	61.37	62.28	61.08		---	---	---
13	60.63	59.94	60.58	60.89	61.55	61.67	62.22	60.95		---	---	---
14	60.53	59.92	60.60	60.95	61.51	61.74	62.33	60.96		---	---	---
15	60.52	59.92	60.63	60.98	61.55	61.72	62.39	60.88		---	---	---
16	60.54	59.94	60.75	60.98	61.62	61.74	62.36	60.82		---	---	---
17	60.52	59.94	60.77	60.99	61.63	61.80	62.31	60.79		---	---	---
18	60.50	59.89	60.76	61.03	61.61	61.92	62.30	60.88		---	---	---
19	60.48	59.88	60.73	61.08	61.62	61.95	62.26	60.89		---	---	---
20	60.41	59.86	60.72	61.01	61.56	62.01	62.23	60.92		---	---	---
21	60.39	59.84	60.75	61.02	61.57	62.14	62.21	60.94		---	---	---
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		---	---	---
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		---	---	---
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		---	---	---
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---		---	---	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---		---	---	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---		---	---	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---		---	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---		---	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	---		---	---	[illegible]
31	[illegible]	---	[illegible]	[illegible]	---	[illegible]	---	---		---	---	---
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---		---	---	---
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---		---	---	---
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---		---	---	---



332425079535001. Local number, BRK-71, Cooper River Rediversion No. 12.

LOCATION.--Lat 33°24'25", long 79°53'50", Hydrologic Unit 03050112, 1.3 mi (2.1 Km) east of St. Stephens on State Hwy 45, left on dirt road under power lines, and 100 ft (305 m) north of highway.
Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene limestone, Black Minto Formation.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 143 ft (43.59 m), cased to 125 ft (38.1 m), open hole to 140 ft (43.59 m).

DATUM.--Land-surface datum is 77.05 ft (23.48 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.36 ft (1.02 m) above land-surface datum.

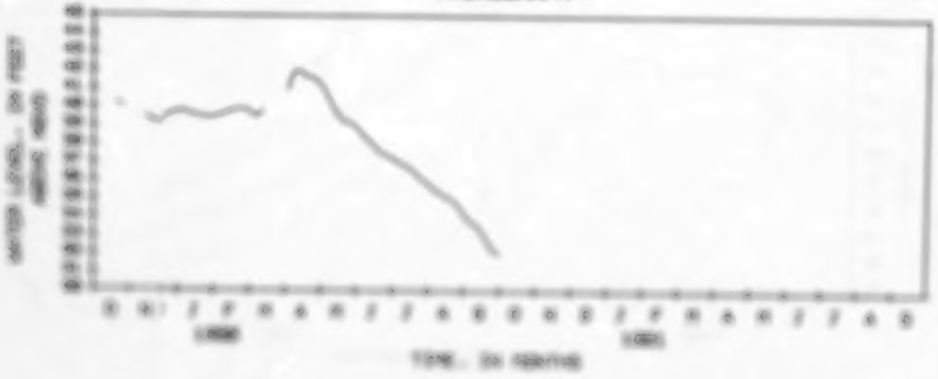
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 44.23 ft (13.48 m) NGVD, Jan. 24, 1977; lowest, 32.05 ft (9.76 m) NGVD, Sept. 29, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	39.19	39.84	39.52	39.69	41.18	41.04	38.76	37.17	35.75	34.05
2	---	---	39.15	39.80	39.51	39.63	41.36	40.90	38.72	37.05	35.71	33.96
3	---	---	39.13	39.81	39.55	39.54	41.59	40.79	38.69	37.04	35.70	33.92
4	---	---	39.19	39.83	39.56	39.51	41.79	40.65	38.54	37.03	35.64	33.85
5	---	---	39.21	39.81	39.67	39.52	41.93	40.55	38.44	37.00	35.58	33.78
6	---	---	39.31	39.72	39.65	39.46	41.94	40.47	38.38	37.04	35.44	33.77
7	---	---	39.31	39.72	39.62	39.44	42.00	40.30	38.33	36.97	35.39	33.78
8	---	---	39.27	39.69	39.73	39.34	42.05	40.23	38.34	36.90	35.37	33.71
9	---	---	39.25	39.66	39.81	39.46	42.07	40.07	38.24	36.86	35.39	33.68
10	---	---	39.24	39.62	39.79	39.82	42.02	39.92	38.16	36.87	35.36	33.62
11	---	---	39.31	39.67	39.81	---	41.89	39.82	38.06	36.87	35.31	33.55
12	---	---	39.38	39.62	39.78	---	41.88	39.73	37.97	36.80	35.30	33.46
13	---	---	39.43	39.58	39.82	---	41.73	39.66	37.91	36.75	35.19	33.38
14	---	---	39.36	39.60	39.83	---	41.82	39.55	37.87	36.71	35.18	33.30
15	---	39.49	39.41	39.57	39.89	---	41.76	39.47	37.83	36.67	35.13	33.22
16	---	39.44	39.52	39.55	39.98	---	41.58	39.33	37.76	36.66	35.10	33.09
17	---	39.38	39.52	39.56	39.91	---	41.55	39.26	37.65	36.64	35.04	33.04
18	---	39.35	39.54	39.55	39.98	---	41.60	39.27	37.65	36.55	35.05	32.96
19	40.26	39.31	39.59	39.49	39.93	---	41.65	39.22	37.61	36.48	35.03	32.86
20	40.21	39.24	39.62	39.58	39.96	---	41.67	39.21	37.53	36.41	35.00	32.76
21	40.17	39.21	39.60	39.51	39.93	---	41.65	39.15	37.49	36.31	34.96	32.67
22	40.16	39.20	39.63	39.57	39.96	---	41.66	39.14	37.44	36.30	34.90	32.56
23	40.19	39.20	39.66	39.58	39.89	---	41.62	39.16	37.48	36.26	34.83	32.46
24	40.15	39.19	39.72	39.53	39.96	---	41.57	39.16	37.39	36.22	34.78	32.29
25	40.10	39.17	39.77	39.49	39.91	---	41.45	39.12	37.39	36.08	34.71	32.20
26	40.05	39.11	39.76	39.51	39.86	39.86	41.39	39.06	37.30	36.07	34.67	32.11
27	40.00	39.21	39.75	39.50	39.84	39.98	41.37	39.01	37.30	36.05	34.61	32.08
28	40.02	39.26	39.71	39.44	39.82	40.26	41.35	38.98	37.23	36.04	34.55	32.08
29	39.98	39.21	39.73	39.49	39.72	40.57	41.29	38.95	37.23	35.97	34.43	32.05
30	39.98	39.19	39.74	39.53	---	40.83	41.17	38.89	37.26	35.90	34.28	32.05
31	---	---	39.83	39.55	---	41.02	---	38.81	---	35.85	34.14	---
MEAN	---	---	39.47	39.61	39.82	---	41.65	39.64	37.86	36.57	35.08	32.97
MAX	---	---	39.83	39.84	39.98	---	42.07	41.04	38.76	37.17	35.75	34.05
MIN	---	---	39.13	39.49	39.51	---	41.17	38.81	37.23	35.85	34.14	32.05

HYDROGRAPH



BERKELEY COUNTY

332320079550000. Local number, BRK-74, Cooper River Rediversion No. 9.

LOCATION.--Lat 33°23'20", long 79°55'00", Hydrologic Unit 03050112, in intersection of State Hwys. 45 and 351 south of St. Stephens. Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 30 ft (9.14 m), cased to 20 ft (6.10 m), screened to 30 ft (9.14 m).

DATUM.--Land-surface datum is 77.42 ft (23.60 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.27 ft (.997 m) above land-surface datum.

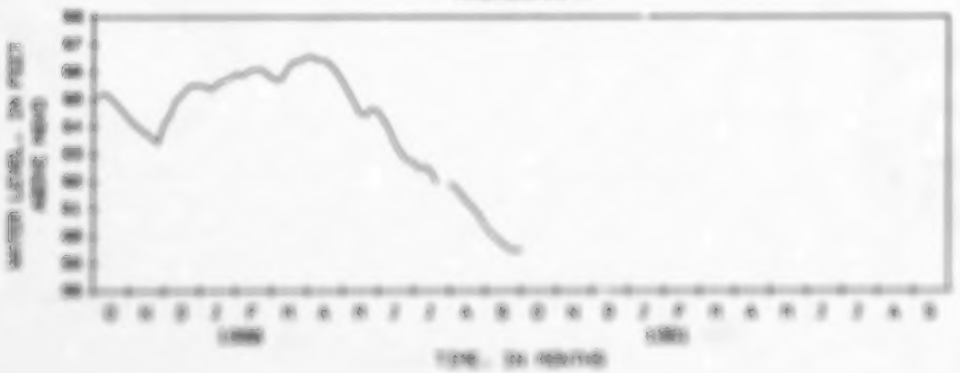
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 66.77 ft (20.35 m) NGVD, Jan. 10, 1977; lowest, 58.54 ft (17.84 m) NGVD, Nov. 29, 1978.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64.79	64.24	64.20	65.50	65.96	65.78	66.52	65.62	64.50	62.65	61.91	60.31
2	64.91	64.21	64.26	65.48	65.96	65.77	66.50	65.53	64.42	62.57	61.91	60.24
3	64.97	64.18	64.30	65.46	65.93	65.72	66.51	65.47	64.36	62.52	61.89	60.18
4	65.02	64.12	64.37	65.46	65.83	65.67	66.57	65.39	64.30	62.51	61.86	60.13
5	65.13	64.08	64.42	65.46	65.87	65.69	66.54	65.32	64.22	62.47	61.80	60.10
6	65.16	64.05	64.52	65.42	65.91	65.68	66.51	65.25	64.15	62.51	61.72	60.09
7	65.20	64.02	64.66	65.40	65.88	65.66	66.48	65.17	64.09	62.53	61.68	60.06
8	65.21	63.98	64.75	65.39	65.87	65.69	66.45	65.10	64.02	62.57	61.65	60.00
9	65.21	63.95	64.84	65.39	65.96	65.74	66.47	65.01	63.90	62.55	61.62	59.96
10	65.22	63.90	64.94	65.37	66.03	65.77	66.44	64.92	63.84	62.53	61.55	59.92
11	65.21	63.87	65.00	65.43	66.05	65.77	66.39	64.85	63.75	62.55	61.45	59.88
12	65.19	63.86	65.05	65.44	66.07	65.88	66.35	64.78	63.65	62.53	61.41	59.84
13	65.16	63.84	65.10	65.47	66.09	66.09	66.33	64.68	63.56	62.49	61.40	59.80
14	65.11	63.80	65.13	65.55	66.09	66.15	66.40	64.61	63.48	62.45	61.31	59.75
15	65.07	63.76	65.16	65.59	66.10	66.16	66.42	64.50	63.36	62.30	61.25	59.73
16	65.04	63.74	65.26	65.62	66.14	66.21	66.40	64.41	63.27	62.28	61.23	59.68
17	64.99	63.70	65.30	65.65	66.14	66.29	66.37	64.39	63.13	62.21	61.18	59.64
18	64.95	63.67	65.35	65.69	66.11	66.34	66.38	64.39	63.16	62.19	61.13	59.61
19	64.90	63.63	65.41	65.69	66.11	66.35	66.32	64.37	63.06	62.08	61.12	59.56
20	64.85	63.59	65.47	65.69	66.11	66.39	66.26	64.40	63.00	61.99	61.06	59.54
21	64.79	63.55	65.61	65.71	66.00	66.46	[illegible]	64.41	[illegible]	61.96	61.00	59.50
22	64.74	63.51	65.64	65.72	66.04	66.45	66.19	64.34	[illegible]	61.91	60.96	59.52
23	[illegible]	63.48	[illegible]	65.77	[illegible]	[illegible]	66.12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	63.43	[illegible]	65.76	66.01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	59.47
25	64.61	63.42	65.57	65.76	65.99	[illegible]	66.01	[illegible]	62.77	---	60.79	59.44
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	---	[illegible]	[illegible]	---	[illegible]	---	[illegible]	---	[illegible]	[illegible]	---
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]

HYDROGRAPH

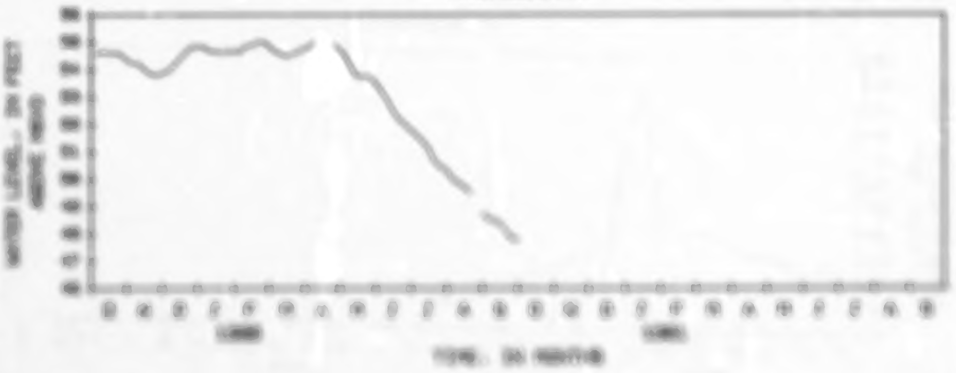


332320079550001. Local number, BRK-75, Cooper River Rediversion No. 10.
LOCATION.--Lat 33°23'20", long 79°55'00", Hydrologic Unit 03050112, in intersection of State Hwys. 40 and 351 south of St. Stephens.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Paleocene - Eocene Limestone, Black Mingo Formation.
WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.30 cm), depth 140 ft (42.67 m) cased to 120 ft (36.58 m), open hole to 140 ft (42.67 m).
DATUM.--Land-surface datum is 77.31 ft (23.56 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.43 ft (1.05 m) above land-surface datum.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 56.42 ft (17.20 m) NGVD, Jan. 20, 1977; lowest, 47.62 ft (14.52 m) NGVD, Sept. 28, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54.37	54.35	53.86	54.87	54.84	54.89	54.70	54.69	53.40	51.71	50.29	48.60
2	54.45	54.36	53.83	54.86	54.82	54.88	54.72	54.84	53.44	51.63	50.24	48.63
3	54.44	54.37	53.82	54.81	54.83	54.77	54.78	54.68	53.38	51.60	50.17	48.58
4	54.69	54.26	53.89	54.84	54.84	54.78	54.80	54.56	53.33	51.60	50.09	48.52
5	54.57	54.23	53.94	54.83	54.84	54.88	54.86	54.50	53.24	51.42	50.02	48.52
6	54.56	54.23	54.05	54.75	54.73	54.83	54.84	54.46	53.15	51.43	49.95	48.53
7	54.60	54.24	54.11	54.75	54.70	54.58	54.88	54.37	53.08	51.57	49.91	48.52
8	54.59	54.24	54.08	54.75	54.68	54.61	54.95	54.30	53.08	51.49	49.92	48.48
9	54.62	54.23	54.06	54.73	54.78	54.61	55.05	54.20	52.98	51.45	49.92	48.47
10	54.65	54.22	54.13	54.66	54.84	54.58	55.05	54.09	52.92	51.42	49.86	48.48
11	54.66	54.20	54.18	54.76	54.83	54.52	55.02	54.02	52.81	51.43	49.80	48.47
12	54.68	54.19	54.25	54.78	54.83	54.50	55.04	53.91	[illegible]	51.38	49.70	48.44
13	54.68	54.20	[illegible]	54.69	54.81	54.47	55.06	53.90	[illegible]	51.34	49.70	48.40
14	54.81	54.13	54.35	54.72	54.83	54.57	[illegible]	[illegible]	[illegible]	51.28	49.75	48.38
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	54.81	53.98	54.54	54.65	55.02	54.67	55.05	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	---	[illegible]	[illegible]	---	[illegible]	---	[illegible]	---	[illegible]	[illegible]	---
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]

HYDROGRAPH



BERKELEY COUNTY

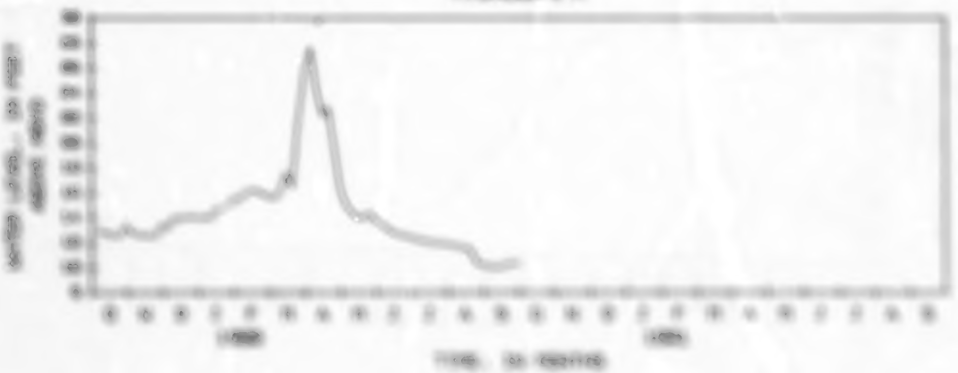
333250079511001. Local number, BRK-79, Cooper River Rediversion No. 10.
LOCATION.--Lat 33°23'50", long 79°51'10", Hydrologic Unit 03050112, 4.7 mi (7.6 km) east of St. Stephens on State Road 45 near intersection with State Road 335, and 1000 ft (305 m) from Santee River bank.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Paleocene - Eocene Limestone, Black Mingo Formation.
WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.24 cm), depth 66 ft (20.1 m) casing to 56 ft (17.07 m) open hole to 66 ft (20.2 m).
DATUM.--Land-surface datum is 30.67 ft (9.35 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 27.86 ft (8.49 m) NGVD, April 6, 1980; lowest, 9.98 ft (3.04 m) NGVD, Sept. 15, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	----	[illegible]	[illegible]	----	[illegible]	----	[illegible]	----	[illegible]	[illegible]	----
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WTR YR 1980 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible]

HYDROGRAPH



BERKELEY COUNTY

330218080080700. Local number, BRK-91.

LOCATION.--Lat 33°02'18", long 80°08'07", Hydrologic Unit 03050201, 0.6 mile (1.0 km) northeast of U.S. I-26 on U.S. Hwy 17A and 0.1 mi (0.2 km) inside front entrance of Berkely-Sangaree Public Service District.
Owner: Berkeley-Sangaree Public Service District.

AQUIFER.--Black Mingo.

WELL CHARACTERISTICS.--Drilled unused artesian test well, diameter 6 in (15.2 cm), depth 394 ft (120 m).

DATUM.--Land-surface datum is 69 ft (21.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 75 ft (22.8 m) above land-surface datum.

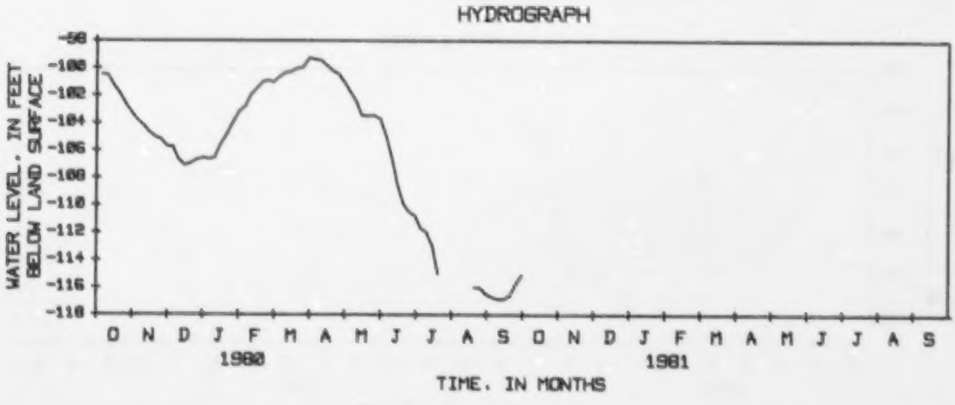
PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 85.47 ft (26.05 m) below land-surface datum, June 16, 1978; lowest, 117.18 ft (35.74 m) below land-surface datum, Sept. 12, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101.09	103.43	105.65	106.55	103.18	100.98	99.42	101.19	103.79	111.04	---	116.63
2	100.89	103.50	105.68	106.62	103.11	100.81	99.45	101.44	103.83	111.45	---	116.59
3	100.82	103.52	105.76	106.72	102.97	100.82	99.39	101.64	104.13	111.57	---	116.62
4	100.74	103.74	105.65	106.66	102.82	100.78	99.27	101.74	104.52	111.64	---	116.71
5	100.48	103.84	105.76	106.64	102.76	100.63	99.37	101.74	104.98	111.66	---	116.74
6	100.44	103.87	106.02	106.75	102.67	100.66	99.43	101.78	105.32	111.65	---	116.72
7	100.37	103.92	106.31	106.61	102.62	100.70	99.41	101.91	105.61	111.66	---	116.72
8	100.46	104.00	106.60	106.55	102.56	100.61	99.38	102.01	105.86	111.73	---	116.71
9	100.47	104.10	106.69	106.51	102.24	100.47	99.27	102.18	106.21	111.77	---	116.79
10	100.53	104.21	106.67	106.53	101.94	100.34	99.43	102.42	106.51	111.98	---	116.87
11	100.69	104.36	106.71	106.19	101.89	100.31	99.62	102.65	106.93	112.14	---	117.03
12	100.86	104.39	106.75	106.10	101.76	100.33	99.67	102.72	107.49	112.55	---	117.18
13	100.94	104.41	106.81	105.89	101.71	100.02	99.73	102.80	107.92	112.83	---	117.13
14	101.14	104.54	107.02	105.61	101.58	100.07	99.70	103.02	108.23	112.85	---	117.04
15	101.24	104.69	107.10	105.57	101.46	100.24	99.83	103.45	108.53	112.93	---	116.86
16	101.31	104.70	106.93	105.46	101.17	100.22	99.89	103.77	108.90	113.10	---	116.76
17	101.42	104.77	106.97	105.31	101.27	100.05	99.95	103.82	109.25	113.40	---	116.68
18	101.61	104.82	107.01	105.14	101.28	100.01	99.99	103.68	109.59	114.00	---	116.68
19	101.72	104.94	106.90	105.08	101.11	100.08	100.14	103.60	109.77	114.72	116.03	116.69
20	101.83	105.04	106.96	104.89	100.98	100.01	100.19	103.51	109.90	114.97	116.03	116.58
21	102.09	105.10	107.07	104.58	101.02	100.16	100.21	103.57	110.07	115.24	116.05	116.36
22	102.25	105.15	106.97	104.32	101.01	100.03	100.30	103.68	110.20	115.69	116.07	116.11
23	102.33	105.13	106.90	104.08	100.94	100.14	100.23	103.66	110.37	116.11	116.12	115.93
24	102.42	105.21	106.80	104.15	100.92	100.03	100.26	103.56	110.50	116.39	116.11	115.82
25	102.56	105.19	106.69	104.02	100.88	99.94	100.45	103.44	110.49	---	116.05	115.73
26	102.76	105.04	106.74	103.88	101.18	99.96	100.66	103.48	110.50	---	116.12	115.65
27	102.88	105.36	106.76	103.69	101.12	99.89	100.68	103.60	110.58	---	116.23	115.67
28	102.95	105.41	106.79	103.58	100.98	99.73	100.72	103.64	110.65	---	116.35	115.68
29	103.00	105.57	106.73	103.42	101.03	99.57	100.88	103.62	110.68	---	116.45	115.41
30	103.16	105.69	106.56	103.34	---	99.31	101.02	103.65	110.75	---	116.49	115.11
31	103.32	---	106.54	103.14	---	99.24	---	103.72	---	---	116.53	---
MEAN	101.57	104.59	106.60	105.28	101.73	100.20	99.93	102.93	108.07	---	---	116.44
MAX	103.32	105.69	107.10	106.75	103.18	100.98	101.02	103.82	110.75	---	---	117.18
MIN	100.37	103.43	105.65	103.14	100.88	99.24	99.27	101.19	103.79	---	---	115.11

HYDROGRAPH



CHARLESTON COUNTY

325025079574501. Local number, CHN-136.

LOCATION.--Lat 32°50'25", long 79°57'45", Hydrologic Unit 03050201, 5.2 miles (8.4 km) northwest of Charleston on U.S. Hwy 52 at Exxon Plant. Owner: Exxon Company.

AQUIFER.--Limestone and sand of Eocene age.

WELL CHARACTERISTICS.--Drilled unused industrial and domestic artesian well, diameter 10 in (25.6 cm) to 290 ft (88.4 m), 8 in (20.5 cm) from 290 ft (88.4 m) to 504 ft (153.6 m), depth 504 ft (153.6 m), screened with slotted pipe 339-369 ft (103-112 m), 459-504 ft (140-153.6 m).

DATUM.--Land-surface datum is 15 ft (4.57 m) National Geodetic Vertical datum of 1929. Measuring point: Top of casing, 1.45 ft (0.44 m) above land-surface datum.

PERIOD OF RECORD.--1971 to current year.

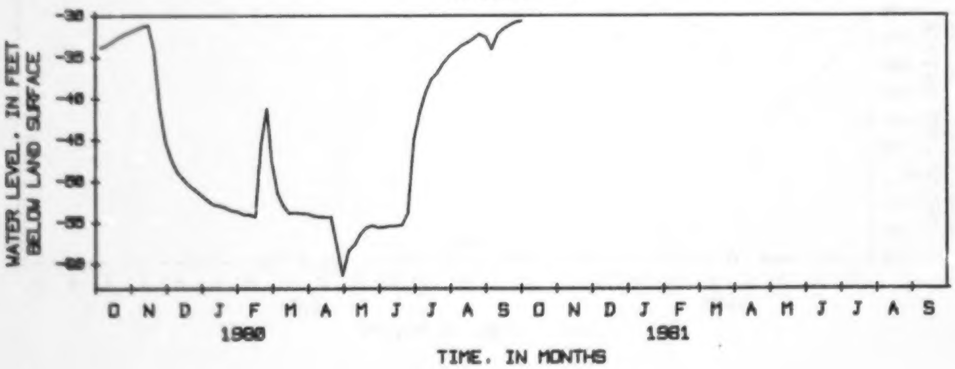
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 30.46 ft (9.29 m) below land-surface datum, Sept. 28, 1980; lowest, 116.63 ft (35.55 m) below land-surface datum, Sept. 6, 1971.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.38	31.78	45.91	51.86	53.81	48.54	54.07	60.46	55.60	44.16	34.67	32.37
2	34.27	31.66	46.46	52.04	53.90	49.40	54.07	59.63	55.58	43.61	34.52	32.67
3	34.20	31.63	46.89	52.14	53.92	50.31	54.06	59.11	55.56	43.02	34.37	35.47
4	34.06	31.65	47.18	52.15	53.96	50.91	54.05	58.75	55.58	42.31	34.31	35.02
5	33.85	31.57	47.47	52.32	54.02	51.39	54.19	58.46	55.52	41.70	34.23	34.08
6	33.80	31.47	47.64	52.55	54.00	51.84	54.25	58.21	55.48	41.13	34.16	33.49
7	33.74	31.44	47.82	52.61	54.13	52.22	54.24	58.09	55.50	40.57	34.04	33.05
8	33.75	31.40	48.30	52.71	54.22	52.48	54.24	57.96	55.52	40.10	33.89	32.75
9	33.69	31.30	48.64	52.78	54.12	52.74	54.24	57.80	55.51	39.74	33.75	32.47
10	33.60	31.29	48.88	52.82	54.04	52.92	54.31	57.69	55.40	39.36	33.64	32.26
11	33.49	31.30	49.13	52.74	54.09	53.07	54.36	57.36	55.45	38.93	33.57	32.12
12	33.35	31.27	49.35	52.90	54.18	53.19	54.36	57.13	55.45	38.60	33.48	31.95
13	33.29	31.17	49.51	52.86	54.26	53.15	54.32	56.93	55.36	38.30	33.41	31.79
14	33.26	31.14	49.70	52.80	54.31	53.55	54.24	56.67	55.34	38.00	33.32	31.68
15	33.13	31.12	49.74	52.97	54.29	53.86	54.38	56.46	55.39	37.72	33.26	31.57
16	33.00	31.25	49.13	53.03	54.15	53.98	54.51	56.24	55.46	37.73	33.19	31.47
17	32.89	33.90	49.66	53.01	52.17	53.98	54.53	55.92	55.49	37.91	33.11	31.38
18	32.83	36.43	50.02	52.99	49.15	53.95	54.48	55.42	55.40	37.53	32.95	31.34
19	32.73	35.27	50.22	53.10	46.98	53.97	54.36	55.64	55.26	37.25	32.87	31.29
20	32.65	34.17	50.49	53.16	45.34	53.82	54.36	55.65	55.26	36.98	32.79	31.15
21	32.59	33.53	50.66	53.20	44.16	53.74	54.63	55.69	55.29	36.74	32.66	31.03
22	32.51	35.53	50.73	53.18	43.24	53.92	54.87	55.48	55.31	36.50	32.50	30.93
23	32.39	38.22	50.86	53.21	42.34	53.95	55.05	55.32	55.37	36.27	32.39	30.88
24	32.34	40.06	50.94	53.45	41.57	53.85	55.40	55.35	55.36	36.06	32.29	30.84
25	32.26	41.37	51.00	53.53	41.25	53.90	57.93	55.35	53.86	35.83	32.22	30.77
26	32.19	42.33	51.29	53.58	41.58	53.95	59.99	55.37	51.01	35.55	32.15	30.69
27	32.15	43.39	51.42	53.50	43.47	53.94	61.25	55.39	49.10	35.31	32.11	30.63
28	32.05	44.07	51.52	53.57	45.87	53.86	62.32	55.46	47.41	35.12	32.08	30.46
29	32.00	44.75	51.60	53.65	47.48	53.89	62.93	55.51	46.08	35.01	32.44	30.51
30	31.99	45.41	51.63	53.72	---	53.87	61.37	55.56	44.99	34.89	32.97	30.64
31	31.88	---	51.73	53.69	---	53.95	---	55.60	---	34.79	32.61	---
MEAN	33.04	35.83	49.53	52.96	50.00	52.97	55.71	56.76	54.10	38.28	33.22	31.89
MAX	34.38	45.41	51.73	53.72	54.31	53.98	62.93	60.46	55.60	44.16	34.67	35.47
MIN	31.88	31.12	45.91	51.86	41.25	48.54	54.05	55.32	44.99	34.79	32.08	30.46

WTR YR 1980 TOTAL 16571.94 MEAN 45.28 LOW 62.93 HIGH 30.46

HYDROGRAPH



330256080354500. Local number, COL-97.

LOCATION.--Lat 33°02'56", long 80°35'45", Hydrologic Unit 03050205, 1.6 miles (2.6 km) southeast of Canadys at intersection of State Hwy. 61 and State Road 45.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Santee Formation.

WELL CHARACTERISTICS.--Drilled test and observation artesian well, diameter 4 in (10.26 cm), depth 500 ft (152.44 m), cased to 140 ft (42.68 m), open hole to 500 ft (15.44 m).

DATUM.--Land-surface datum is 84 ft (25.61 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Depth, measured January 17, 1979, 356 ft (108.5 m).

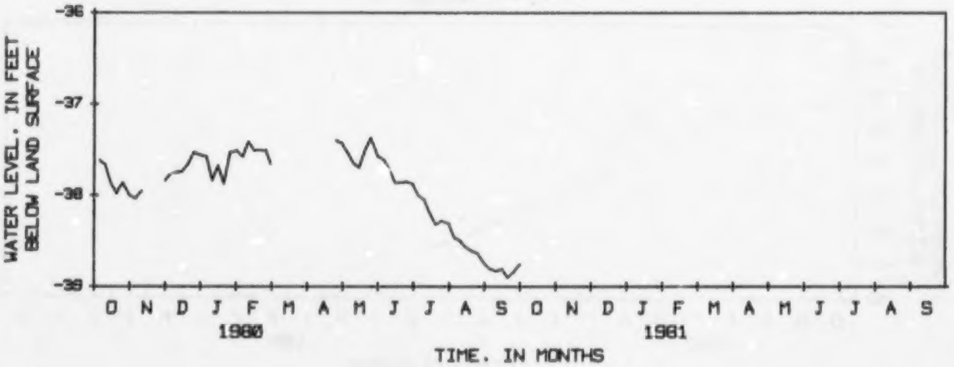
PERIOD OF RECORD.--August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.79 (11.2 m) below land-surface datum, May 14, 1978; lowest 38.95 ft (11.88 m) below land-surface datum, Sept. 19, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.72	38.00	37.86	37.57	37.56	37.70	---	37.46	37.59	37.95	38.32	38.76
2	37.69	37.93	37.89	37.60	37.57	37.63	---	37.52	37.59	38.02	38.32	38.77
3	37.71	37.86	37.96	37.69	37.57	---	---	37.52	37.60	38.04	38.33	38.79
4	37.72	38.01	37.89	37.63	37.57	---	---	37.53	37.61	38.05	38.39	38.82
5	37.62	38.04	37.77	37.58	37.58	---	---	37.53	37.61	38.00	38.46	38.81
6	37.64	38.02	37.59	37.71	37.53	---	---	37.50	37.65	37.97	38.51	38.80
7	37.64	37.99	37.54	37.72	37.54	---	---	37.55	37.71	38.01	38.52	38.80
8	37.67	37.99	37.69	37.71	37.61	---	---	37.55	37.72	38.06	38.51	38.80
9	37.68	37.97	37.75	37.72	37.56	---	---	37.60	37.68	38.07	38.49	38.83
10	37.67	37.96	37.75	37.84	37.41	---	---	37.65	37.70	38.05	38.50	38.83
11	37.67	37.96	37.74	37.71	37.50	---	---	37.65	37.72	38.00	38.52	38.81
12	37.68	37.96	37.73	37.70	37.52	---	---	37.65	37.80	38.05	38.52	38.84
13	37.68	37.96	37.71	37.73	37.56	---	---	37.65	37.85	38.07	38.53	38.86
14	37.83	37.96	37.72	37.63	37.56	---	---	37.64	37.87	38.15	38.55	38.85
15	37.87	---	37.74	37.68	37.51	---	---	37.70	37.86	38.20	38.57	38.81
16	37.87	---	37.64	37.72	37.35	---	---	37.79	37.85	38.21	38.57	38.81
17	37.87	---	37.67	37.71	37.44	---	---	37.80	37.93	38.20	38.61	38.85
18	37.95	---	37.73	37.70	37.55	---	---	37.66	37.88	38.23	38.64	38.91
19	37.98	---	37.68	37.83	37.54	---	---	37.63	37.86	38.30	38.63	38.95
20	37.98	---	37.66	37.88	37.51	---	---	37.50	37.86	38.32	38.61	38.90
21	38.00	---	37.74	37.74	37.49	---	---	37.65	37.86	38.34	38.59	38.88
22	37.98	---	37.71	37.59	37.51	---	37.38	37.59	37.90	38.32	38.57	38.86
23	37.88	---	37.69	37.42	37.50	---	37.34	37.56	37.93	38.27	38.60	38.81
24	37.83	---	37.62	37.53	37.52	---	37.34	37.50	37.89	38.23	38.64	38.82
25	37.86	---	37.53	37.53	37.51	---	37.40	37.37	37.85	38.28	38.64	38.84
26	37.97	---	37.57	37.54	37.71	---	37.43	37.31	37.84	38.24	38.66	38.86
27	38.00	---	37.66	37.51	37.69	---	37.40	37.36	37.88	38.23	38.68	38.91
28	37.99	37.68	37.73	37.55	37.59	---	37.40	37.50	37.90	38.23	38.71	38.91
29	37.95	37.72	37.74	37.56	37.66	---	37.41	37.54	37.89	38.24	38.73	38.83
30	37.98	37.86	37.62	37.58	---	---	37.43	37.54	37.88	38.27	38.75	38.76
31	38.00	---	37.56	37.51	---	---	---	37.57	---	38.31	38.75	---
MEAN	37.83	---	37.71	37.65	37.54	---	---	37.57	37.79	38.16	38.56	38.84
MAX	38.00	---	37.96	37.88	37.71	---	---	37.80	37.93	38.34	38.75	38.95
MIN	37.62	---	37.53	37.42	37.35	---	---	37.31	37.59	37.95	38.32	38.76

HYDROGRAPH



341122079342500. Local number, FLO-129.

LOCATION.--Lat 34°11'40", long 79°34'54", Hydrologic Unit 03040201, on Pee Dee River, 2.0 miles (3.2 km) east of Mars Bluff at DuPont Plant. Owner: E. I. DuPont, de Nemours Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused observation artesian well, diameter 4 in (10.3 cm), depth drilled 802 ft (244.4 m), depth measured by geophysical logger 460 ft (140.2 m), reportedly cased to 802 ft (244.4 m), screened intervals 264-292 ft (80.5-89 m), 327-333 ft (99.7-101.5 m), 375-381 ft (114-116 m), 678-690 ft (206.7-210.3 m).

DATUM.--Land-surface datum is 96.90 ft (29.54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.43 ft (0.44 m) above land-surface datum.

REMARK.--Formerly listed as FLO-128.

PERIOD OF RECORD.--August 1971 to current year.

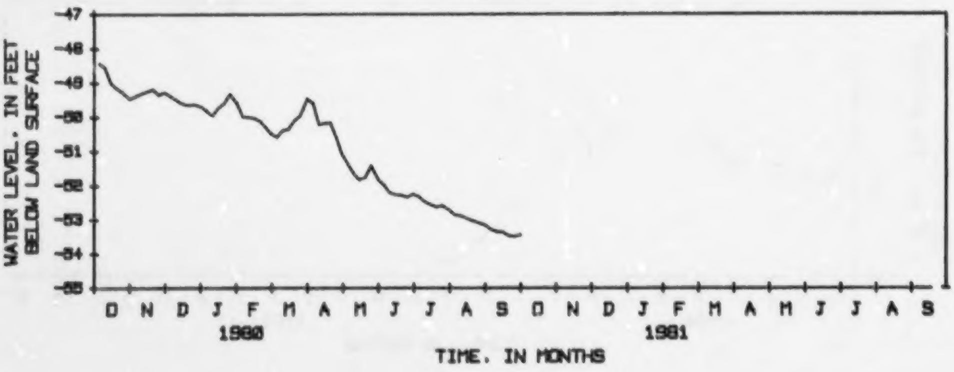
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 37.22 ft (11.34 m) below land-surface datum, Feb. 10, 1973; lowest, 53.55 ft (16.33 m) below land-surface datum, Sept. 28, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.41	49.46	49.29	49.74	49.71	50.54	49.50	51.17	51.86	52.34	52.73	53.20
2	48.40	49.42	49.35	49.82	49.82	50.49	49.48	51.24	51.90	52.41	52.73	53.26
3	48.44	49.39	49.43	49.86	49.88	50.53	49.44	51.29	51.93	52.43	52.73	53.29
4	48.48	49.43	49.42	49.84	49.92	50.59	49.44	51.34	51.94	52.40	52.76	53.30
5	48.44	49.39	49.39	49.81	49.99	50.59	49.59	51.37	51.98	52.33	52.87	53.29
6	48.47	49.34	49.33	49.88	49.97	50.58	49.74	51.40	52.04	52.35	52.92	53.28
7	48.48	49.32	49.31	49.89	50.02	50.59	49.89	51.47	52.09	52.40	52.94	53.28
8	48.54	49.32	49.40	49.92	50.11	50.48	49.99	51.52	52.09	52.44	52.92	53.29
9	48.55	49.31	49.48	49.94	50.09	50.42	50.08	51.59	52.16	52.47	52.90	53.34
10	48.56	49.31	49.49	49.96	50.01	50.39	50.21	51.65	52.21	52.48	52.89	53.36
11	48.63	49.33	49.55	49.87	50.06	50.44	50.33	51.67	52.24	52.45	52.93	53.35
12	48.69	49.32	49.58	49.86	50.06	50.26	50.32	51.71	52.26	52.46	52.95	53.35
13	48.78	49.29	49.55	49.86	50.08	50.28	50.22	51.77	52.26	52.46	52.96	53.37
14	48.93	49.26	49.57	49.72	50.08	50.37	50.16	51.83	52.28	52.50	52.96	53.38
15	49.00	49.24	49.61	49.73	50.04	50.35	50.18	51.84	52.28	52.56	52.96	53.37
16	49.02	49.14	49.55	49.74	49.92	50.24	50.21	51.87	52.29	52.58	52.96	53.40
17	49.06	49.10	49.62	49.69	50.00	50.18	50.23	51.89	52.34	52.59	52.98	53.42
18	49.10	49.07	49.76	49.59	50.10	50.23	50.22	51.86	52.30	52.60	53.00	53.43
19	49.13	49.10	49.68	49.58	50.12	50.22	50.19	51.85	52.30	52.62	53.03	53.45
20	49.16	49.18	49.65	49.58	50.13	50.09	50.17	51.76	52.29	52.63	53.04	53.48
21	49.21	49.24	49.70	49.56	50.20	50.11	50.17	51.66	52.30	52.63	53.03	53.49
22	49.25	49.28	49.70	49.45	50.27	50.14	50.21	51.66	52.32	52.69	53.03	53.50
23	49.26	49.30	49.70	49.28	50.29	50.10	50.27	51.60	52.35	52.66	53.06	53.52
24	49.26	49.34	49.68	49.32	50.33	49.98	50.42	51.51	52.38	52.57	53.08	53.53
25	49.28	49.35	49.63	49.32	50.33	49.96	50.60	51.43	52.35	52.59	53.10	53.51
26	49.31	49.19	49.70	49.36	50.48	49.92	50.76	51.45	52.31	52.59	53.14	53.52
27	49.33	49.28	49.75	49.37	50.53	49.85	50.83	51.56	52.30	52.59	53.16	53.54
28	49.32	49.23	49.81	49.41	50.43	49.61	50.92	51.62	52.27	52.62	53.16	53.55
29	49.32	49.22	49.82	49.48	50.48	49.51	51.00	51.67	52.26	52.67	53.17	53.52
30	49.43	49.27	49.75	49.58	---	49.40	51.08	51.75	52.26	52.71	53.17	53.45
31	49.47	---	49.69	49.59	---	49.46	---	51.82	---	52.72	53.17	---
MEAN	48.93	49.28	49.58	49.66	50.12	50.19	50.20	51.61	52.20	52.53	52.98	53.40
MAX	49.47	49.46	49.82	49.96	50.53	50.59	51.08	51.89	52.38	52.72	53.17	53.55
MIN	48.40	49.07	49.29	49.28	49.71	49.40	49.44	51.17	51.86	52.33	52.73	53.20

WTR YR 1980 TOTAL 18625.82 MEAN 50.89 LOW 53.55 HIGH 48.40

HYDROGRAPH



332126079170500. Local number, GEO-17.

LOCATION.--Lat 33°21'26", long 79°17'05", Hydrologic Unit 03040207, at Georgetown Hospital on Black River Road.
Owner: City of Georgetown.

AQUIFER.--Sands of Late Cretaceous Age.

WELL CHARACTERISTICS.--Drilled observation artesian well for public supply, diameter 8 in (20.3 cm), depth 904 ft (276 m), cased to 885 ft (270 m), open hole to 904 ft (276 m).

DATUM.--Land-surface datum is 18 ft (5.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--January 1978 to current year.

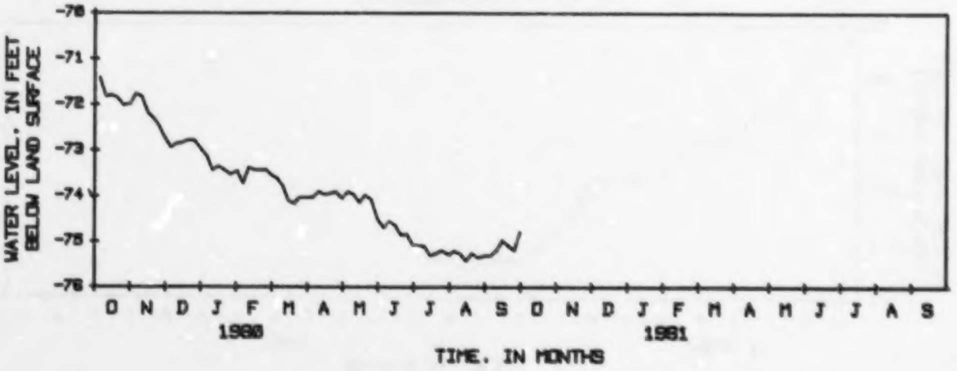
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 68.56 ft (20.90 m) below land-surface datum May 14, 1978; lowest, 75.93 ft (23.14 m) below land-surface datum, Oct. 20, 1977.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71.47	71.92	72.80	72.99	73.53	73.52	74.18	74.06	74.57	75.15	75.21	75.29
2	71.46	71.81	72.90	73.06	73.60	73.44	74.17	74.05	74.62	75.19	75.16	75.28
3	71.51	71.73	72.98	73.13	73.63	73.57	74.10	74.00	74.66	75.19	75.17	75.30
4	71.53	71.79	72.96	73.10	73.66	73.62	73.99	73.95	74.69	75.15	75.18	75.32
5	71.43	71.76	72.94	73.13	73.72	73.62	74.03	73.91	74.70	75.09	75.21	75.31
6	71.53	71.70	72.84	73.29	73.64	73.70	74.04	73.86	74.68	75.06	75.24	75.26
7	71.62	71.72	72.81	73.31	73.69	73.76	73.99	73.89	74.64	75.07	75.26	75.22
8	71.75	71.76	72.89	73.34	73.70	73.75	73.95	73.90	74.59	75.07	75.26	75.20
9	71.80	71.77	72.90	73.37	73.54	73.76	73.87	73.93	74.58	75.09	75.26	75.20
10	71.83	71.83	72.86	73.44	73.38	73.78	73.90	73.97	74.56	75.11	75.28	75.19
11	71.84	71.92	72.85	73.32	73.39	73.86	73.97	74.00	74.59	75.10	75.35	75.18
12	71.80	71.98	72.85	73.37	73.40	73.92	73.98	74.07	74.66	75.15	75.39	75.17
13	71.78	72.01	72.82	73.34	73.46	73.72	73.96	74.12	74.64	75.19	75.43	75.11
14	71.83	72.11	72.86	73.25	73.47	73.92	73.89	74.13	74.62	75.26	75.45	75.04
15	71.80	72.18	72.83	73.35	73.43	74.11	73.97	74.15	74.65	75.31	75.43	74.97
16	71.77	72.18	72.67	73.40	73.31	74.17	74.10	74.14	74.72	75.32	75.39	74.94
17	71.76	72.20	72.71	73.37	73.41	74.14	74.15	74.07	74.82	75.32	75.34	74.95
18	71.79	72.21	72.77	73.31	73.49	74.14	74.07	73.98	74.82	75.32	75.31	74.99
19	71.82	72.25	72.72	73.39	73.46	74.25	74.01	74.01	74.84	75.31	75.29	75.06
20	71.86	72.31	72.78	73.43	73.43	74.17	73.94	73.98	74.86	75.27	75.26	75.09
21	71.93	72.36	72.83	73.42	73.49	74.02	73.87	74.02	74.86	75.25	75.25	75.10
22	71.96	72.39	72.79	73.38	73.52	74.12	73.87	74.09	74.86	75.21	75.26	75.11
23	71.94	72.42	72.78	73.33	73.51	74.14	73.85	74.10	74.89	75.16	75.31	75.14
24	71.99	72.47	72.77	73.49	73.50	74.05	73.86	74.10	74.87	75.21	75.33	75.17
25	72.02	72.48	72.78	73.53	73.43	74.03	73.91	74.08	74.84	75.20	75.35	75.19
26	72.02	72.39	72.91	73.56	73.55	74.09	73.96	74.13	74.88	75.19	75.38	75.15
27	72.02	72.56	72.99	73.47	73.55	74.11	73.95	74.23	74.96	75.19	75.41	75.13
28	71.95	72.55	73.07	73.49	73.50	74.03	73.97	74.31	75.01	75.25	75.43	75.04
29	71.94	72.63	73.08	73.51	73.54	73.98	74.03	74.38	75.05	75.30	75.41	74.90
30	71.98	72.74	73.00	73.55	---	73.98	74.05	74.46	75.07	75.32	75.36	74.79
31	71.99	---	72.98	73.46	---	74.03	---	74.53	---	75.29	75.31	---
MEAN	71.80	72.14	72.85	73.35	73.51	73.92	73.99	74.08	74.76	75.20	75.31	75.13
MAX	72.02	72.74	73.08	73.56	73.72	74.25	74.18	74.53	75.07	75.32	75.45	75.32
MIN	71.43	71.70	72.67	72.99	73.31	73.44	73.85	73.86	74.56	75.06	75.16	74.79

WTR YR 1980 TOTAL 27024.61 MEAN 73.84 LOW 75.45 HIGH 71.43

HYDROGRAPH



GEORGETOWN COUNTY

332424079171800 (revised). Local number, GEO-77.

LOCATION.--Lat 33°24'24", long 79°17'18", Hydrologic Unit 03040207, 5.0 mi (8.0 km) north of Georgetown on U.S. Hwy. 701. Owner: Georgetown Rural Water District.

AQUIFER.--Sands of the Pee Dee and Black Creek Formations.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 10 in (25.6 cm) to 445 ft (135.6 m), 8 in (20.5 cm) from 445 ft (136 m) to 748 ft (228.0 m), depth 748 ft (228.0 m), cased to 748 ft (228.0 m), screened 490-520 ft (149.4-158.5 m), 580-660 ft (176.8-201.2 m), 720-740 ft (219.5-225.6 m), gravel packed.

DATUM.--Land-surface datum is 22 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft (0.64 m) above land-surface datum.

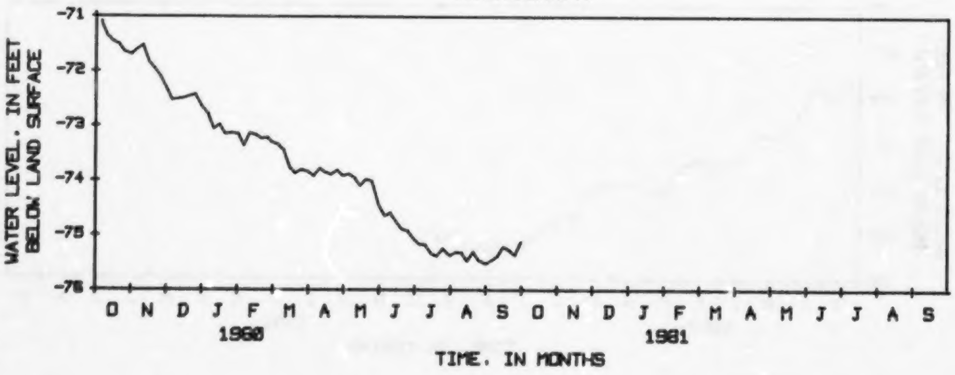
PERIOD OF RECORD.--June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 63.73 ft (19.4 m) below land-surface datum, Nov. 7, 1976; lowest, 96.82 ft (29.52 m) below land-surface datum, Nov. 21-23, 1973.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71.10	71.68	72.37	72.67	73.21	73.31	73.98	73.95	74.47	75.15	75.37	75.49
2	71.08	71.61	72.46	72.74	73.26	73.25	74.02	73.97	74.52	75.21	75.34	75.47
3	71.12	71.55	72.56	72.80	73.27	73.33	73.99	73.95	74.56	75.23	75.30	75.46
4	71.16	71.60	72.54	72.77	73.30	73.36	73.88	73.92	74.58	75.21	75.28	75.47
5	71.10	71.60	72.53	72.78	73.36	73.34	73.92	73.88	74.64	75.16	75.31	75.46
6	71.18	71.54	72.44	72.91	73.28	73.40	73.94	73.83	74.67	75.12	75.33	75.43
7	71.21	71.52	72.44	72.93	73.34	73.45	73.91	73.85	74.64	75.15	75.33	75.40
8	71.31	71.52	72.52	72.95	73.38	73.42	73.86	73.84	74.58	75.16	75.32	75.39
9	71.34	71.50	72.55	72.98	73.27	73.41	73.77	73.88	74.59	75.17	75.29	75.38
10	71.35	71.53	72.51	73.06	73.13	73.44	73.78	73.95	74.59	75.17	75.32	75.38
11	71.39	71.59	72.50	72.96	73.16	73.52	73.83	73.98	74.64	75.14	75.37	75.36
12	71.40	71.64	72.49	72.99	73.15	73.59	73.84	74.01	74.70	75.17	75.40	75.37
13	71.40	71.66	72.45	72.99	73.20	73.45	73.84	74.04	74.73	75.21	75.43	75.35
14	71.46	71.75	72.48	72.92	73.20	73.60	73.79	74.05	74.73	75.27	75.46	75.29
15	71.46	71.83	72.50	72.98	73.16	73.75	73.85	74.09	74.75	75.33	75.47	75.21
16	71.43	71.84	72.39	73.04	73.05	73.80	73.94	74.16	74.78	75.35	75.45	75.19
17	71.43	71.87	72.43	73.06	73.14	73.77	74.01	74.17	74.84	75.35	75.37	75.20
18	71.45	71.87	72.47	73.04	73.26	73.77	73.98	74.05	74.82	75.37	75.36	75.23
19	71.48	71.91	72.42	73.12	73.25	73.90	73.95	74.03	74.84	75.38	75.33	75.26
20	71.51	71.96	72.46	73.15	73.23	73.87	73.89	73.97	74.88	75.38	75.30	75.27
21	71.56	71.99	72.51	73.15	73.27	73.76	73.82	74.00	74.91	75.35	75.29	75.27
22	71.58	72.02	72.50	73.11	73.30	73.85	73.81	74.04	74.94	75.31	75.31	75.28
23	71.56	72.04	72.51	73.01	73.28	73.90	73.76	74.05	74.96	75.26	75.37	75.29
24	71.60	72.09	72.48	73.12	73.28	73.84	73.76	74.02	74.95	75.20	75.42	75.33
25	71.65	72.10	72.43	73.13	73.21	73.80	73.81	74.01	74.92	75.24	75.46	75.36
26	71.70	72.01	72.54	73.17	73.31	73.88	73.85	74.07	74.92	75.23	75.50	75.36
27	71.73	72.15	72.61	73.13	73.29	73.93	73.84	74.20	74.98	75.21	75.54	75.39
28	71.68	72.14	72.70	73.17	73.24	73.89	73.84	74.27	75.03	75.23	75.57	75.37
29	71.66	72.20	72.72	73.18	73.30	73.84	73.88	74.33	75.05	75.27	75.58	75.23
30	71.68	72.31	72.66	73.22	---	73.80	73.91	74.39	75.06	75.32	75.56	75.12
31	71.70	---	72.66	73.15	---	73.84	---	74.44	---	75.37	75.52	---
MEAN	71.43	71.82	72.51	73.01	73.24	73.65	73.88	74.04	74.78	75.25	75.40	75.34
MAX	71.73	72.31	72.72	73.22	73.38	73.93	74.02	74.44	75.06	75.38	75.58	75.49
MIN	71.08	71.50	72.37	72.67	73.05	73.25	73.76	73.83	74.47	75.12	75.28	75.12

HYDROGRAPH



332610079104000. Local number, GEO-84. Hagley Plantation.

LOCATION.--Lat 33°26'18", long 79°10'40", Hydrologic Unit 03040207, 2 mi (3.2 km) west of Pawleys Island, south Causeway entrance on Hwy. 17. Owner: Johnnie Strait.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled private artesian well, diameter 4 in (10.2 cm), depth 620 ft (189 m) cased 0-575 ft (175 m), screened from 575 ft-620 ft (175-189 m).

DATUM.--Land-surface datum is 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (.30 m) above land-surface datum.

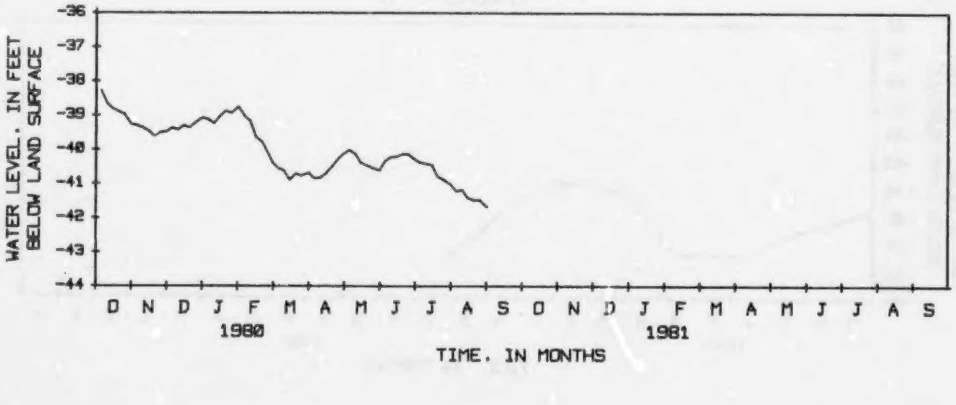
PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 31.38 ft (9.56 m) below land-surface datum, Feb. 10, 1978; lowest, 41.73 ft (12.73 m) below land-surface datum, Aug. 30, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38.31	39.24	39.47	39.05	38.84	40.31	40.80	40.11	40.55	40.26	41.06	
2	38.31	39.20	39.56	39.13	38.89	40.30	40.76	40.08	40.49	40.29	41.06	
3	38.37	39.23	39.52	39.16	38.88	40.53	40.76	40.07	40.47	40.35	41.06	
4	38.36	39.32	39.43	39.07	38.90	40.53	40.69	40.05	40.45	40.38	41.14	
5	38.27	39.31	39.37	39.12	39.02	40.55	40.84	40.01	40.33	40.38	41.22	
6	38.39	39.26	39.25	39.26	38.97	40.65	40.89	39.98	40.31	40.38	41.27	
7	38.48	39.34	39.28	39.19	39.16	40.70	40.87	40.05	40.35	40.31	41.28	
8	38.59	39.34	39.43	39.23	39.27	40.68	40.85	40.09	40.33	40.31	41.24	
9	38.61	39.31	39.44	39.22	39.23	40.70	40.78	40.10	40.30	40.38	41.20	
10	38.65	39.37	39.43	39.24	39.17	40.62	40.83	40.12	40.22	40.42	41.18	
11	38.64	39.46	39.45	39.07	39.30	40.72	40.89	40.21	40.29	40.43	41.26	
12	38.63	39.47	39.44	39.20	39.43	40.73	40.83	40.32	40.27	40.41	41.29	
13	38.70	39.40	39.38	39.02	39.57	40.44	40.76	40.38	40.16	40.44	41.34	
14	38.81	39.46	39.39	38.90	39.64	40.73	40.60	40.39	40.15	40.43	41.36	
15	38.81	39.47	39.30	39.03	39.64	40.89	40.71	40.39	40.20	40.46	41.42	
16	38.80	39.51	39.19	39.00	39.52	40.89	40.78	40.37	40.28	40.52	41.47	
17	38.81	39.54	39.32	38.90	39.67	40.79	40.73	40.38	40.32	40.57	41.44	
18	38.86	39.56	39.35	38.81	39.78	40.76	40.64	40.41	40.19	40.67	41.43	
19	38.85	39.59	39.30	38.88	39.77	40.84	40.59	40.53	40.15	40.75	41.48	
20	38.90	39.62	39.36	38.87	39.77	40.71	40.51	40.47	40.12	40.79	41.48	
21	38.95	39.61	39.34	38.85	39.89	40.61	40.41	40.55	40.14	40.82	41.43	
22	38.93	39.58	39.23	38.76	39.98	40.83	40.38	40.60	40.14	40.83	41.40	
23	38.90	39.55	39.22	38.72	40.04	40.83	40.37	40.57	40.23	40.83	41.42	
24	38.97	39.56	39.17	38.89	40.10	40.72	40.30	40.56	40.20	40.82	41.43	
25	38.98	39.50	39.22	38.93	40.07	40.77	40.29	40.54	40.14	40.88	41.47	
26	39.05	39.31	39.31	38.92	40.37	40.79	40.25	40.52	40.20	40.84	41.52	
27	39.13	39.51	39.26	38.74	40.31	40.78	40.17	40.53	40.28	40.79	41.58	
28	39.14	39.40	39.25	38.80	40.30	40.69	40.14	40.59	40.28	40.80	41.65	
29	39.20	39.44	39.23	38.85	40.37	40.70	40.17	40.61	40.28	40.88	41.70	
30	39.28	39.48	39.13	38.87	---	40.63	40.13	40.62	40.28	40.94	41.73	
31	39.27	---	39.07	38.75	---	40.68	---	40.61	---	41.02	41.67	
MEAN	38.77	39.43	39.33	38.98	39.58	40.68	40.59	40.35	40.27	40.59	41.38	
MAX	39.28	39.62	39.56	39.26	40.37	40.89	40.89	40.62	40.55	41.02	41.73	
MIN	38.27	39.20	39.07	38.72	38.84	40.30	40.13	39.98	40.12	40.26	41.06	

HYDROGRAPH



GREENVILLE COUNTY

345335082185800. Local number, GRV-709.

LOCATION.--Lat 34°53'35", long 82°18'58", Hydrologic Unit 03050109, at Brushy Creek Elementary School northeast of Greenville.

Owner: School District of Greenville County.

AQUIFER.--Metamorphic rocks of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled unused public supply water table well, diameter 6 in (15.38 cm), depth 80 ft (24.4 m), cased to 6 ft (1.8 m), open hole below casing.

DATUM.--Land-surface datum is 926 ft (282.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.79 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--May 1973 to current year.

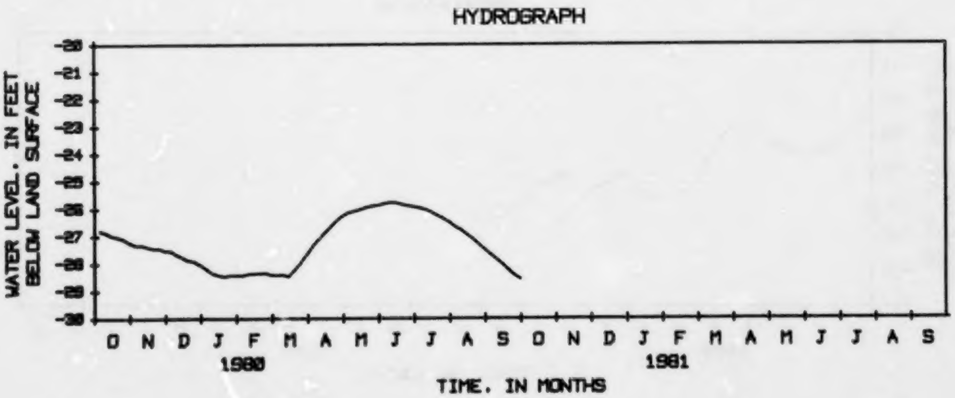
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 23.81 ft (7.26 m) below land-surface datum, June 28, 1973; lowest, 32.11 ft (9.79 m) below land-surface datum, Jan. 18, 19, 23, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.76	27.24	27.53	28.09	28.44	28.41	27.61	26.25	25.84	25.96	26.52	27.53
2	26.76	27.22	27.59	28.13	28.43	28.40	27.53	26.22	25.82	25.97	26.53	27.57
3	26.82	27.27	27.60	28.16	28.42	28.45	27.46	26.19	25.81	25.96	26.55	27.61
4	26.81	27.32	27.54	28.16	28.42	28.43	27.37	26.17	25.81	25.97	26.60	27.65
5	26.81	27.33	27.53	28.19	28.42	28.41	27.36	26.13	25.81	25.96	26.65	27.68
6	26.83	27.30	27.52	28.24	28.37	28.47	27.31	26.10	25.79	25.96	26.68	27.71
7	26.85	27.30	27.60	28.24	28.43	28.47	27.26	26.10	25.77	26.00	26.70	27.74
8	26.87	27.31	27.67	28.28	28.44	28.41	27.18	26.07	25.75	26.00	26.71	27.79
9	26.85	27.29	27.69	28.31	28.37	28.43	27.12	26.08	25.77	26.01	26.74	27.82
10	26.87	27.32	27.67	28.35	28.36	28.40	27.09	26.07	25.76	26.01	26.77	27.85
11	26.88	27.36	27.70	28.29	28.38	28.44	27.07	26.05	25.79	26.01	26.81	27.89
12	26.89	27.38	27.71	28.38	28.40	28.45	27.01	26.04	25.81	26.04	26.84	27.93
13	26.92	27.36	27.71	28.37	28.43	28.38	26.95	26.02	25.80	26.05	26.87	27.97
14	26.98	27.41	27.76	28.37	28.41	28.44	26.89	26.00	25.77	26.10	26.90	27.99
15	26.98	27.39	27.77	28.42	28.35	28.46	26.87	26.02	25.77	26.11	26.93	28.02
16	26.97	27.39	27.74	28.43	28.30	28.42	26.86	26.04	25.78	26.11	26.97	28.07
17	26.99	27.40	27.82	28.44	28.38	28.32	26.82	26.01	25.81	26.12	27.03	28.11
18	27.01	27.40	27.82	28.44	28.41	28.35	26.75	25.98	25.79	26.18	27.05	28.16
19	27.02	27.42	27.81	28.47	28.38	28.33	26.71	25.97	25.80	26.21	27.07	28.20
20	27.03	27.44	27.88	28.46	28.34	28.23	26.65	25.95	25.82	26.23	27.09	28.23
21	27.05	27.45	27.89	28.44	28.35	28.15	26.59	25.98	25.86	26.24	27.12	28.26
22	27.04	27.44	27.89	28.39	28.35	28.16	26.55	25.97	25.87	26.25	27.17	28.29
23	27.02	27.42	27.91	28.39	28.35	28.12	26.48	25.94	25.89	26.26	27.22	28.33
24	27.07	27.46	27.88	28.41	28.36	28.02	26.44	25.91	25.89	26.30	27.26	28.37
25	27.10	27.43	27.91	28.41	28.34	27.99	26.43	25.89	25.88	26.33	27.29	28.41
26	27.14	27.45	27.98	28.45	28.41	27.96	26.39	25.91	25.90	26.35	27.32	28.46
27	27.16	27.50	28.01	28.44	28.37	27.92	26.34	25.93	25.92	26.37	27.36	28.51
28	27.13	27.46	28.05	28.44	28.33	27.84	26.32	25.90	25.92	26.38	27.40	28.53
29	27.18	27.50	28.04	28.44	28.41	27.77	26.27	25.88	25.90	26.42	27.43	28.55
30	27.22	27.53	28.02	28.45	---	27.67	26.26	25.87	25.92	26.46	27.46	28.56
31	27.25	---	28.06	28.41	---	27.63	---	25.86	---	26.49	27.50	---
MEAN	26.98	27.38	27.78	28.35	28.39	28.24	26.86	26.02	25.83	26.16	26.99	28.06
MAX	27.25	27.53	28.06	28.47	28.44	28.47	27.61	26.25	25.92	26.49	27.50	28.56
MIN	26.76	27.22	27.52	28.09	28.30	27.63	26.26	25.86	25.75	25.96	26.52	27.53

WTR YR 1980 TOTAL 9972.93 MEAN 27.25 LOW 28.56 HIGH 25.75

HYDROGRAPH



HAMPTON COUNTY

325005081122800. Local number, HAM-82.

LOCATION.--Lat 32°50'05", long 81°12'28", Hydrologic Unit 03050208, at the intersection of State Hwy. 363 and State road 41, 5.7 mile (9.2 km) west of Hampton on SC-363, and at Hampton County landfill.
Owner: South Carolina Water Resources Commission.

AQUIFER.--Santee Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (10.26 cm), depth 200 ft (60.98 m), cased to 98 ft (29.88 m), open hole to 200 ft (60.98 m).

DATUM.--Land-surface datum is 125 ft (38.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.85 m) above land-surface datum.

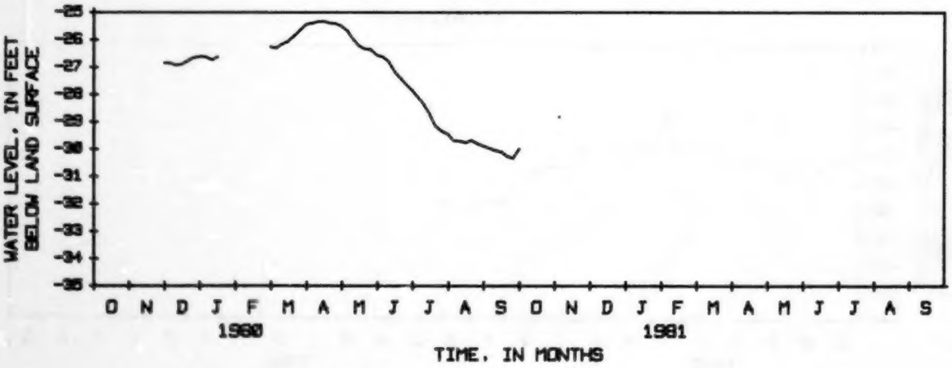
PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 25.55 (7.79 m) below land-surface datum, Apr. 5, 1977; lowest, 30.58 ft (9.32 m) below land-surface datum, Nov. 29, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	26.86	26.60	---	26.29	25.49	25.54	26.58	27.93	29.50	29.91
2		---	26.90	26.64	---	26.26	25.49	25.59	26.59	27.99	29.52	29.94
3		---	26.95	26.66	---	26.35	25.44	25.63	26.60	28.04	29.54	29.96
4		---	26.90	26.61	---	26.36	25.35	25.65	26.62	28.08	29.61	29.98
5		---	26.85	26.62	---	26.31	25.38	25.68	26.63	28.10	29.69	29.98
6		---	26.76	26.69	---	26.32	25.40	25.71	26.69	28.14	29.75	29.99
7		---	26.79	26.68	---	26.34	25.40	25.78	26.73	28.17	29.78	29.99
8		---	26.89	26.67	---	26.24	25.37	25.83	26.76	28.23	29.80	30.01
9		---	26.95	26.68	---	26.14	25.32	25.89	26.75	28.29	29.76	30.03
10		---	26.93	26.73	---	26.15	25.32	25.97	26.81	28.35	29.71	30.06
11		---	26.91	26.62	---	26.18	25.36	26.01	26.96	28.40	29.72	30.07
12		---	26.89	26.65	---	26.16	25.35	26.08	27.03	28.48	29.72	30.08
13		---	26.86	26.63	---	25.90	25.31	26.14	27.09	28.54	29.73	30.11
14		---	26.88	26.58	---	25.98	25.26	26.17	27.12	28.65	29.75	30.12
15		---	26.89	26.62	---	26.06	25.32	26.22	27.17	28.72	29.76	30.11
16		---	26.76	26.64	---	26.03	25.37	26.33	27.23	28.77	29.77	30.15
17		---	26.79	---	---	25.95	25.41	26.37	27.33	28.85	29.77	30.20
18		---	26.82	---	---	25.91	25.40	26.35	27.36	28.97	29.72	30.25
19		---	26.77	---	---	25.95	25.40	26.37	27.37	29.05	29.70	30.29
20		---	26.77	---	---	25.86	25.38	26.34	27.41	29.14	29.68	30.27
21		---	26.80	---	---	25.72	25.35	26.33	27.48	29.21	29.68	30.26
22		---	26.76	---	---	25.76	25.36	26.40	27.56	29.24	29.71	30.27
23		---	26.74	---	---	25.77	25.35	26.46	27.62	29.22	29.77	30.28
24		---	26.69	---	---	25.70	25.36	26.45	27.64	29.27	29.79	30.31
25		---	26.64	---	---	25.67	25.41	26.36	27.63	29.33	29.80	30.34
26		---	26.68	---	26.31	25.69	25.44	26.33	27.66	29.31	29.82	30.39
27		---	26.70	---	26.28	25.69	25.43	26.39	27.73	29.31	29.84	30.35
28		26.77	26.74	---	26.23	25.60	25.44	26.50	27.79	29.32	29.87	30.17
29		26.81	26.72	---	26.26	25.52	25.46	26.54	27.83	29.36	29.89	30.11
30		26.85	26.62	---	---	25.43	25.49	26.55	27.85	29.40	29.90	30.00
31		---	26.60	---	---	25.42	---	26.57	---	29.46	29.90	---
MEAN		---	26.80	---	---	25.96	25.39	26.15	27.19	28.75	29.74	30.13
MAX		---	26.95	---	---	26.36	25.49	26.57	27.85	29.46	29.90	30.39
MIN		---	26.60	---	---	25.42	25.26	25.54	26.58	27.93	29.50	29.91

HYDROGRAPH



HAMPTON COUNTY

324143080505900. Local number, HAM-83.

LOCATION.--Lat 32°41'43", long 80°50'59", Hydrologic Unit 03050208, northwest of Ebenezer Methodist Church, 170 ft (51.8 m) northeast and 80 ft (24.4 m) northwest of intersection of state road 44 and state road 10, 0.4 mi (0.64 km) northwest of the intersection of state road 44 and U.S. Hwy 17A-21 in Yemassee.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Hawthorne Formation.

WELL CHARACTERISTICS.--Drilled unused observation artesian well, diameter 6 in (15.2 cm), depth 190 ft (57.91 m), cased to 85.5 ft (26.15 m), open hole 190 ft (57.91 m).

DATUM.--Land-surface datum is 45 ft (13.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft (0.21 m) above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

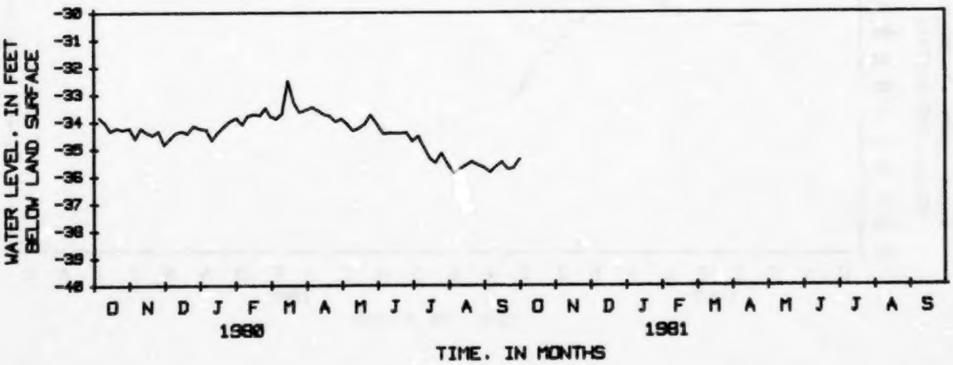
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 33.28 ft (10.14 m) below land-surface datum, June 16, 1979; lowest, 36.48 ft (11.12 m) below land-surface datum, Jan. 4, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.06	34.28	35.03	34.23	33.98	33.81	33.39	33.98	34.03	34.67	35.65	35.76
2	34.35	34.20	35.14	34.32	34.08	33.82	33.33	34.03	34.16	34.73	35.63	35.85
3	34.22	34.22	35.22	34.35	34.21	34.11	33.34	34.01	34.20	34.87	35.75	35.81
4	34.09	34.29	34.99	34.24	34.08	34.21	33.31	34.01	34.33	34.88	35.81	35.84
5	33.84	34.62	34.60	34.27	34.10	33.89	33.46	34.09	34.44	34.53	35.89	35.86
6	34.09	34.35	34.43	34.36	33.95	33.90	33.48	34.22	34.43	34.84	35.94	35.74
7	33.98	34.25	34.45	34.42	33.96	33.93	33.55	34.34	34.28	35.01	35.89	35.62
8	34.11	34.23	34.48	34.34	33.95	33.84	33.50	34.33	34.28	35.03	35.86	35.58
9	34.04	34.26	34.44	34.53	33.89	33.74	33.50	34.31	34.39	34.99	35.84	35.61
10	34.04	34.23	34.39	34.67	33.77	33.70	33.59	34.33	34.42	34.94	35.73	35.64
11	34.10	34.25	34.40	34.63	33.95	33.70	33.71	34.22	34.66	35.20	35.65	35.57
12	34.18	34.33	34.37	34.49	33.96	33.46	33.76	34.35	34.69	35.22	35.54	35.61
13	34.22	34.28	34.37	34.45	33.94	33.11	33.69	34.44	34.43	35.15	35.48	35.58
14	34.33	34.41	34.44	34.31	33.84	32.90	33.69	34.35	34.48	35.41	35.57	35.47
15	34.34	34.39	34.33	34.39	33.71	32.50	33.74	34.24	34.43	35.35	35.60	35.48
16	34.33	34.42	34.19	34.32	33.63	32.58	33.83	34.33	34.55	35.14	35.56	35.55
17	34.26	34.42	34.34	34.28	33.72	32.69	33.86	34.15	34.46	35.19	35.49	35.61
18	34.24	34.45	34.41	34.13	33.88	33.00	33.82	34.00	34.35	35.41	35.55	35.54
19	34.24	34.48	34.34	34.18	33.80	33.25	33.80	34.13	34.33	35.52	35.55	35.60
20	34.22	34.49	34.42	34.18	33.76	33.29	33.79	34.08	34.43	35.51	35.46	35.75
21	34.19	34.51	34.34	34.16	33.77	33.28	33.83	33.81	34.49	35.32	35.48	35.58
22	34.27	34.42	34.30	34.07	33.86	33.39	33.83	32.05	34.74	35.47	35.56	35.67
23	34.21	34.40	34.31	33.97	33.81	33.46	33.81	33.87	34.58	35.20	35.54	35.74
24	34.25	34.43	34.21	33.98	33.81	33.50	33.97	33.75	34.48	35.10	35.52	35.70
25	34.29	34.34	34.14	33.98	33.49	33.65	34.00	33.75	34.40	35.15	35.58	35.70
26	34.30	34.27	34.27	34.00	34.14	33.66	34.06	33.88	34.39	35.18	35.65	35.76
27	34.29	34.36	34.31	33.91	33.89	33.82	33.81	33.99	34.50	35.11	35.56	35.68
28	34.28	34.37	34.35	34.01	33.79	33.79	33.92	34.05	34.63	35.24	35.64	35.53
29	34.30	34.45	34.38	34.05	33.80	33.63	33.89	34.05	34.65	34.61	35.62	35.41
30	34.27	34.84	34.22	33.93	---	33.54	33.89	34.06	34.72	35.43	35.69	35.38
31	34.23	---	34.25	33.85	---	33.56	---	34.12	---	35.62	35.69	---
MEAN	34.20	34.37	34.45	34.23	33.88	33.51	33.71	34.[illegible]	34.45	35.13	35.64	35.64
MAX	34.35	34.84	35.22	34.67	34.21	34.21	34.06	34.44	34.74	35.62	35.94	35.86
MIN	33.84	34.20	34.14	33.85	33.49	32.50	33.31	32.05	34.03	34.53	35.46	35.38

WTR YR 1980 TOTAL 12604.52 MEAN 34.44 LOW 35.94 HIGH 32.05

HYDROGRAPH



335115079033500. Local number, HO-307.

LOCATION.--Lat 33°50'58", long 79°03'27", Hydrologic Unit 03040206, 0.75 mi (1.2 km) northeast from Intersection 701 & 501, and at Collins Park in Conway.
Owner: City of Conway.

AQUIFER.--Sands of Pee Dee and Black Creek Formation.

WELL CHARACTERISTICS.--Drilled unused municipal artesian well, diameter 8 in (20.3 cm), depth 438 ft (134 m) exact screen implacement unknown.

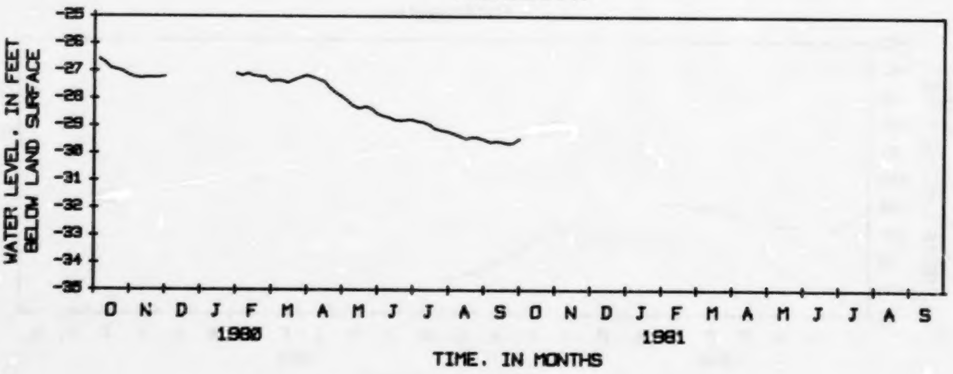
DATUM.--Land-surface datum is 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 11.91 ft (3.63 m) below land-surface datum, Oct. 12, 1974; lowest, 29.66 ft (9.05 m) below land-surface datum, Sept. 19, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.44	27.19	27.21	---	27.12	27.39	27.22	27.97	28.56	28.82	29.23	29.51
2	26.46	27.19	27.24	---	27.15	27.32	27.24	28.02	28.57	28.86	29.24	29.51
3	26.52	27.19	27.27	---	27.15	27.35	27.23	28.05	28.57	28.88	29.25	29.53
4	26.57	27.24	27.24	---	27.14	27.36	27.17	28.07	28.59	28.86	29.26	29.57
5	26.57	27.25	---	---	27.17	27.34	27.22	28.08	28.64	28.84	29.29	29.58
6	26.62	27.23	---	---	27.10	27.39	27.27	28.09	28.66	28.81	29.33	29.56
7	26.62	27.23	---	---	27.14	27.42	27.28	28.14	28.66	28.84	29.35	29.56
8	26.68	27.24	---	---	27.20	27.38	27.28	28.17	28.64	28.85	29.35	29.56
9	26.69	27.25	---	---	27.14	27.37	27.26	28.21	28.67	28.86	29.36	29.56
10	26.71	27.26	---	---	27.08	27.36	27.29	28.26	28.69	28.87	29.37	29.55
11	26.75	27.26	---	---	27.12	27.38	27.35	28.27	28.74	28.88	29.38	29.57
12	26.78	27.23	---	---	27.14	27.42	27.37	28.28	28.80	28.90	29.38	29.60
13	26.81	27.21	---	---	27.20	27.30	27.38	28.29	28.81	28.91	29.41	29.62
14	26.89	27.23	---	---	27.21	27.37	27.34	28.32	28.80	28.94	29.44	29.61
15	26.91	27.24	---	---	27.18	27.43	27.38	28.36	28.79	28.96	29.46	29.58
16	26.91	27.23	---	---	27.10	27.42	27.45	28.43	28.79	28.98	29.47	29.60
17	26.92	27.23	---	---	27.17	27.36	27.53	28.45	28.83	28.99	29.49	29.62
18	26.94	27.22	---	---	27.23	27.32	27.55	28.36	28.79	29.03	29.47	29.64
19	26.95	27.23	---	---	27.21	27.37	27.59	28.32	28.79	29.08	29.46	29.66
20	26.96	27.25	---	---	27.20	27.32	27.61	28.30	28.81	29.11	29.41	29.63
21	26.98	27.27	---	---	27.22	27.23	27.61	28.32	28.85	29.11	29.41	29.62
22	26.98	27.27	---	---	27.22	27.27	27.65	28.37	28.87	29.12	29.40	29.62
23	26.96	27.27	---	---	27.22	27.30	27.67	28.39	28.88	29.12	29.42	29.61
24	26.99	27.27	---	---	27.24	27.25	27.72	28.38	28.87	29.12	29.42	29.62
25	27.03	27.24	---	---	27.22	27.24	27.79	28.35	28.78	29.16	29.41	29.62
26	27.08	27.13	---	---	27.30	27.29	27.84	28.37	28.70	29.16	29.41	29.63
27	27.11	27.18	---	---	27.32	27.32	27.85	28.45	28.76	29.15	29.44	29.66
28	27.10	27.14	---	---	27.31	27.30	27.84	28.48	28.79	29.13	29.46	29.65
29	27.10	27.16	---	27.12	27.38	27.21	27.88	28.51	28.78	29.14	29.48	29.56
30	27.15	27.21	---	27.15	---	27.16	27.91	28.54	28.77	29.18	29.50	29.47
31	27.18	---	---	27.09	---	27.15	---	28.56	---	29.21	29.50	---
MEAN	26.85	27.22	---	---	27.19	27.33	27.49	28.30	28.74	29.00	29.40	29.59
MAX	27.18	27.27	---	---	27.38	27.43	27.91	28.56	28.88	29.21	29.50	29.66
MIN	26.44	27.13	---	---	27.08	27.15	27.17	27.97	28.56	28.81	29.23	29.47



HORRY COUNTY

335242078524200. Local number, HO-315.

LOCATION.--Lat 33°52'42", long 78°52'42", Hydrologic Unit 03040207, off U.S. Hwy 17 in Little River on Luck Street at water tank.
Owner: Little River Water & Sewage Co., Inc.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled municipal artesian well, diameter 8 in (20.3 cm), depth 692 ft (211 m), cased 0-500 ft (0-152 m), screened from 500-570 ft (152-174 cm), 660-690 ft (201-210 m).

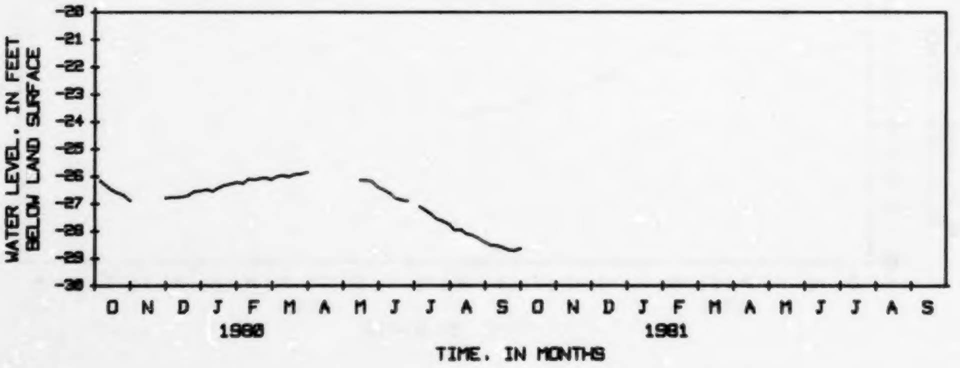
DATUM.--Land-surface datum is 40 ft (12.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.

PERIOD OF RECORD.--June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 19.57 ft (5.96 m) below land-surface datum, June 19, 20, 1977; lowest, 28.77 ft (8.77 m) below land-surface datum, Sept. 27, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.17	26.88	26.79	26.49	26.23	26.08		---	26.42	27.03	27.79	28.47
2	26.17	---	26.82	26.52	26.25	25.98		---	26.43	27.06	27.81	28.50
3	26.16	---	26.85	26.55	26.24	26.00		---	26.45	27.08	27.85	28.52
4	26.18	---	26.79	26.50	26.24	26.02		---	26.47	27.11	27.91	28.55
5	26.15	---	26.76	26.47	26.25	25.99		---	26.50	27.11	27.98	28.54
6	26.21	---	26.67	26.55	26.18	26.02		---	26.53	27.13	28.01	28.54
7	26.23	---	26.65	26.53	26.21	26.04		---	26.54	27.16	28.01	28.52
8	26.30	---	26.73	26.52	26.24	25.98		---	26.56	27.18	27.98	28.53
9	26.31	---	26.77	26.51	26.18	25.95		---	26.57	27.20	27.94	28.55
10	26.32	---	26.76	26.54	26.07	25.94		---	26.62	27.23	27.95	28.55
11	26.35	---	26.76	26.46	26.10	25.97		---	26.68	27.24	28.00	28.59
12	26.36	---	26.76	26.46	26.12	26.00		---	26.67	27.26	28.03	28.60
13	26.39	---	26.73	26.44	26.16	25.83		26.11	26.69	27.29	28.05	28.62
14	26.46	---	26.74	26.33	26.15	25.91		26.11	26.74	27.33	28.09	28.61
15	26.49	---	26.74	26.40	26.11	26.01		26.13	26.80	27.37	28.12	28.61
16	26.50	---	26.65	26.41	26.02	26.01		26.15	26.78	27.40	28.15	28.62
17	26.52	---	26.69	26.35	26.06	25.95		26.17	26.78	27.43	28.14	28.64
18	26.56	---	26.72	26.30	26.10	25.89		26.13	26.79	27.48	28.13	28.69
19	26.58	---	26.67	26.31	26.08	25.95		26.15	26.83	27.53	28.16	28.71
20	26.60	---	26.69	26.31	26.05	25.91		26.14	26.87	27.56	28.16	28.70
21	26.62	---	26.71	26.30	26.07	25.83		26.18	26.92	27.59	28.17	28.69
22	26.63	---	26.66	26.27	26.07	25.91		26.22	26.93	27.60	28.19	28.69
23	26.62	---	26.64	26.20	26.07	25.95		26.22	26.89	27.61	28.22	28.69
24	26.64	---	26.60	26.26	26.08	25.91		26.20	26.83	27.65	28.25	28.71
25	26.68	---	26.54	26.26	26.04	25.90		26.17	26.90	27.63	28.27	28.72
26	26.71	---	26.61	26.27	26.11	25.94		26.20	26.94	27.59	28.30	28.73
27	26.77	26.79	26.62	26.23	26.10	25.97		26.26	26.95	27.60	28.33	28.77
28	26.76	26.75	26.63	26.24	26.07	25.94		26.31	26.96	27.63	28.37	28.77
29	26.79	26.76	26.62	26.25	26.10	25.87		26.34	26.99	27.68	28.40	28.71
30	26.86	26.79	26.55	26.27	---	25.84		26.37	---	27.73	28.42	28.65
31	26.88	---	26.51	26.19	---	25.84		26.40	---	27.76	28.43	---
MEAN	26.48	---	26.69	26.38	26.13	25.95		---	---	27.40	28.12	28.63
MAX	26.88	---	26.85	26.55	26.25	26.08		---	---	27.76	28.43	28.77
MIN	26.15	---	26.51	26.19	26.02	25.83		---	---	27.03	27.79	28.47


HYDROGRAPH

HORRY COUNTY

334248078553300. Local number, HO-432.

LOCATION.--Lat 33°42'48", long 78°55'33", Hydrologic Unit 03040207, 100 yards southwest of U.S. Hwy 501 bridge on Intracoastal Waterway at Myrtle Beach and at Van Smith Lumber Co.
Owner: Van Smith.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled unused private well, diameter 4 in (10.2 cm), depth 512 ft (156 m), cased 0-462 ft (1.41 m), screened from 462-482 ft (141-147 m), 2 in (5.1 cm) screened from 482-512 ft (147-156 m).

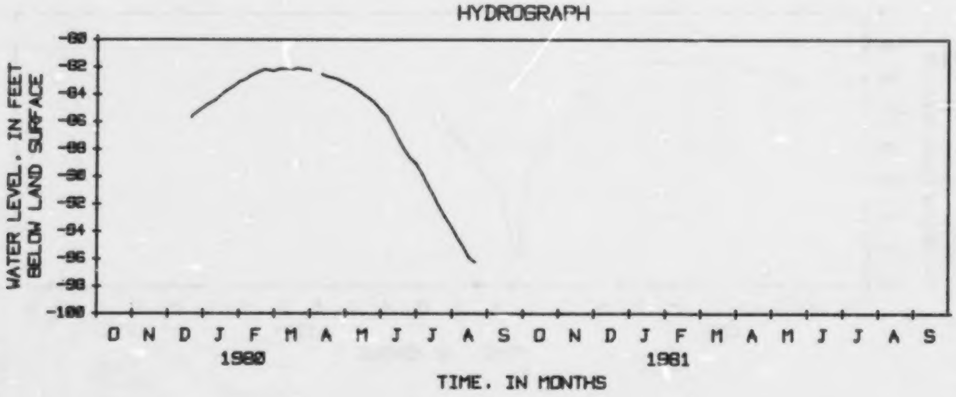
DATUM.--Land-surface datum is 30 ft (9.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.1 ft (.03 m) above land-surface datum.

PERIOD OF RECORD.--June 1977 to January 1979.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 68.18 ft (20.78 m) below land-surface datum, June 16, 1977; lowest, 96.26 ft (29.36 m) below land-surface datum, Aug. 26, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	84.85	83.01	82.22	82.32	83.21	85.19	89.14	93.78	
2			---	84.82	82.97	82.14	82.35	83.26	85.27	89.28	93.89	
3			---	84.79	82.92	82.17	---	83.30	85.37	89.43	94.00	
4			---	84.68	82.87	82.14	---	83.33	85.49	89.54	94.16	
5			---	84.62	82.85	82.12	---	83.36	85.60	89.65	94.40	
6			---	84.63	82.72	82.15	82.42	83.38	85.75	89.79	94.60	
7			---	84.54	82.75	82.16	82.43	83.44	85.91	89.95	94.68	
8			---	84.50	82.74	82.12	82.47	83.49	86.05	90.14	94.79	
9			---	84.42	82.66	82.12	82.48	83.54	86.20	90.33	94.92	
10			---	84.39	82.56	82.09	82.53	83.59	86.34	90.49	95.11	
11			---	84.25	82.55	82.16	82.64	83.67	86.56	90.65	95.26	
12			---	84.24	82.53	82.17	82.67	83.74	86.72	90.78	95.39	
13			---	84.12	82.51	82.00	82.69	83.80	86.85	90.94	95.57	
14			---	84.00	82.46	82.12	82.67	83.86	87.02	91.08	95.72	
15			---	84.00	82.37	82.19	82.72	83.93	87.19	91.26	95.85	
16			---	83.95	82.23	82.18	82.78	84.01	87.37	91.43	95.99	
17			---	83.87	82.23	82.12	82.81	84.11	87.55	91.58	96.09	
18			---	83.73	82.25	82.05	82.81	84.12	87.67	91.75	96.19	
19			---	83.66	82.21	82.11	82.81	84.20	87.80	91.92	96.20	
20			85.65	83.67	82.17	82.06	82.81	84.24	87.96	92.10	96.24	
21			85.61	83.65	82.18	81.98	82.80	84.34	88.12	92.25	96.25	
22			85.52	83.56	82.18	82.07	82.82	84.44	88.28	92.41	96.26	
23			85.47	83.46	82.18	82.11	82.84	84.49	88.45	92.55	96.26	
24			85.37	83.46	82.21	82.09	82.88	84.52	88.56	92.71	---	
25			85.29	83.40	82.19	82.13	82.94	84.55	88.57	92.84	---	
26			85.28	83.35	82.32	82.20	82.99	84.60	88.57	92.92	---	
27			85.22	83.23	82.28	82.26	83.00	84.73	88.71	93.04	---	
28			85.19	83.20	82.24	82.25	83.03	84.86	88.81	93.18	---	
29			85.11	83.16	82.27	82.22	83.10	84.95	88.91	93.34	---	
30			84.98	83.14	---	82.20	83.14	85.05	89.00	93.49	---	
31			84.91	83.03	---	82.22	---	85.13	---	93.64	---	
MEAN			---	83.95	82.47	82.14	---	84.04	87.19	91.41	---	
MAX			---	84.85	83.01	82.26	---	85.13	89.00	93.64	---	
MIN			---	83.03	82.17	81.98	---	83.21	85.19	89.14	---	



HORRY COUNTY

334747078435400. Local number, HO-433.

LOCATION.--Lat 33°47'47", long 78°43'54", Hydrologic Unit 03040207, Windy Hill road at Park.
   Owner: City of North Myrtle Beach.

AQUIFER.--Peedee and Black Creek Formation.

WELL CHARACTERISTICS.--Drilled municipal artesian well, diameter 4 in (10.2 cm). Casing and screen unknown.

DATUM.--Land-surface datum is 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point is at land-surface datum.

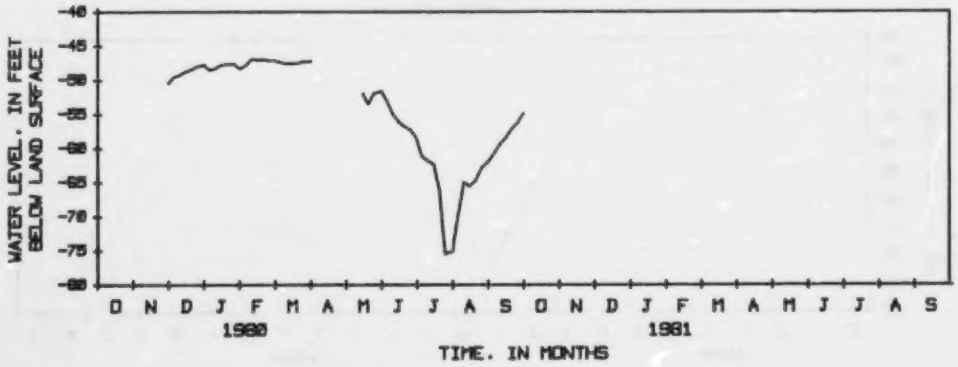
PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.17 ft (11.025 m) below land-surface datum, Dec. 16, 1977; lowest, 75.51 ft (23.03 m) below land-surface datum, July 23, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	50.38	47.66	48.49	47.04	47.15	---	52.01	58.68	75.12	62.61
2	---	---	50.43	47.79	48.49	46.98	---	---	52.33	59.10	75.12	62.82
3	---	---	50.35	47.98	48.43	47.04	---	---	52.76	59.87	75.12	62.18
4	---	---	49.85	48.25	48.33	47.11	---	---	53.05	60.63	75.12	61.39
5	---	---	49.52	48.52	47.78	47.35	---	---	53.04	61.19	70.01	60.79
6	---	---	49.37	48.64	47.23	47.58	---	---	53.31	61.63	64.23	60.46
7	51.08	---	49.27	48.51	46.93	47.69	---	---	53.67	61.77	64.48	60.37
8	---	---	49.33	48.43	47.14	47.68	---	---	54.23	61.80	64.61	60.30
9	---	---	49.31	48.30	47.33	47.68	---	---	54.76	61.80	64.73	59.92
10	---	---	49.21	48.22	46.89	47.54	---	---	54.92	61.81	64.94	59.43
11	---	---	49.20	47.98	46.83	47.51	---	---	55.19	62.02	65.11	59.05
12	---	---	49.15	48.03	46.87	47.46	---	---	55.31	62.14	65.15	58.73
13	---	---	49.03	47.88	46.86	47.16	---	51.47	55.19	62.25	65.32	58.51
14	---	---	48.91	47.65	46.77	47.36	---	51.64	55.57	62.32	65.50	58.65
15	---	---	48.71	47.71	46.95	47.50	---	52.02	56.07	62.39	65.54	58.48
16	---	---	48.48	47.75	47.07	47.54	---	52.57	56.51	62.51	65.73	58.05
17	---	---	48.49	47.66	47.19	47.49	---	53.46	56.81	62.51	65.77	57.78
18	---	---	48.48	47.54	47.15	47.46	---	54.19	56.65	63.19	65.57	57.64
19	---	---	48.38	47.58	47.04	47.55	---	54.12	56.56	65.09	65.30	57.36
20	---	---	48.42	47.63	46.94	47.50	---	53.51	56.80	65.92	64.75	57.14
21	---	---	48.37	47.65	46.94	47.67	---	52.94	57.02	66.28	64.16	57.16
22	---	---	48.22	47.58	47.02	48.00	---	52.52	57.24	71.88	63.59	57.08
23	---	---	48.10	47.50	47.05	47.67	---	52.09	57.47	75.51	63.28	56.90
24	---	---	47.98	47.52	47.21	47.14	---	51.77	57.52	75.51	63.20	56.76
25	---	---	47.94	47.56	47.13	47.26	---	51.93	57.31	75.51	62.94	56.33
26	---	---	47.93	47.75	47.24	47.80	---	52.15	57.18	75.51	62.44	56.03
27	---	50.65	47.85	47.80	47.10	48.09	---	52.06	57.14	75.51	61.99	55.81
28	---	50.53	47.83	48.02	47.00	47.90	---	51.83	57.33	75.34	61.63	55.58
29	---	50.47	47.85	48.26	47.06	47.57	---	51.69	57.78	75.12	61.40	55.25
30	---	50.43	47.79	48.35	---	47.36	---	51.51	58.40	75.12	61.37	54.95
31	---	---	47.72	48.31	---	47.21	---	51.59	---	75.12	61.95	---
MEAN	---	---	48.77	47.94	47.26	47.48	---	---	55.64	66.29	65.65	58.45
MAX	---	---	50.43	48.64	48.49	48.09	---	---	58.40	75.51	75.12	62.82
MIN	---	---	47.72	47.50	46.77	46.98	---	---	52.01	58.68	61.37	54.95

HYDROGRAPH



JASPER COUNTY

323111080592000. Local number, JAS-144.

LOCATION.--Lat 32°31'11", long 80°59'20", Hydrologic Unit 03050208, 3.5 mi (5.6 km) northwest of Ridgeland, 200 ft (0.1 m) north of state road 175, 0.1 mi (0.2 km) east of the intersection of state road 39 and state road 175 and 1.6 mi (2.6 km) west of the intersection of state road 175 and U.S. hwy 17.

Owner: Ted Roach.

AQUIFER.--Hawthorne Formation.

WELL CHARACTERISTICS.--Drilled unused privately owned artesian well, diameter 4 in (10.3 cm), depth 189 ft (57.6 m) cased to 104 ft (31.7 m), open hole to 189 ft (57.6 m).

DATUM.--Land-surface datum is 82 ft (25.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.6 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--February 1975 to current year.

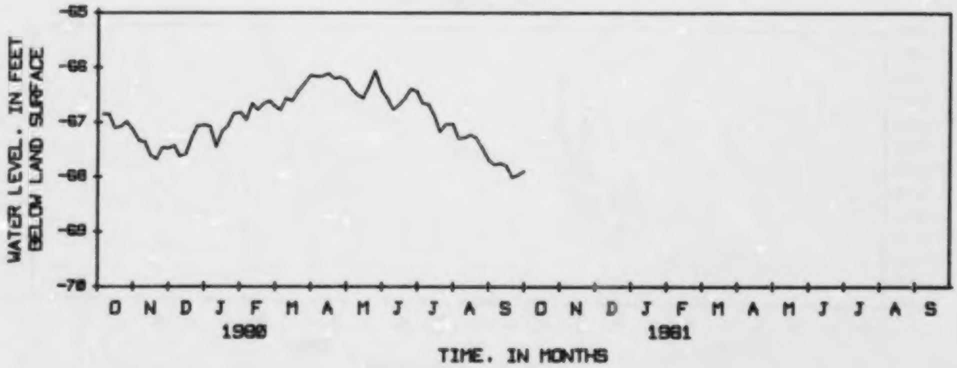
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 64.78 ft (19.74 m) below land-surface datum, April 15, 1975; lowest, 68.91 ft (21.00 m) below land-surface datum, Nov. 29, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66.91	67.14	67.49	67.04	66.89	66.72	66.26	66.29	66.45	66.50	67.07	67.67
2	66.88	67.08	67.52	67.10	66.95	66.66	66.29	66.36	66.46	66.59	67.08	67.68
3	66.92	67.02	67.60	67.15	66.93	66.82	66.24	66.36	66.49	66.66	67.12	67.70
4	66.94	67.22	67.50	67.07	66.91	66.84	66.12	66.36	66.49	66.48	67.17	67.73
5	66.85	67.34	67.42	67.07	66.95	66.77	66.16	66.38	66.57	66.65	67.29	67.78
6	66.87	67.34	67.25	67.26	66.82	66.78	66.26	66.33	66.64	66.62	67.42	67.77
7	66.85	67.29	67.27	67.30	66.88	66.79	66.24	66.38	66.67	66.64	67.44	67.76
8	66.90	67.30	67.49	67.31	66.95	66.68	66.22	66.35	66.61	66.66	67.46	67.71
9	66.90	67.35	67.62	67.34	66.81	66.60	66.14	66.40	66.71	66.67	67.38	67.72
10	66.85	67.36	67.62	67.45	66.65	66.55	66.15	66.50	66.77	66.67	67.28	67.75
11	66.85	67.44	67.61	67.31	66.74	66.57	66.21	66.56	66.82	66.69	67.26	67.75
12	66.86	67.46	67.44	67.33	66.74	66.58	66.20	66.58	66.82	66.72	67.23	67.79
13	66.88	67.47	67.54	67.27	66.85	66.34	66.13	66.61	66.75	66.74	67.21	67.82
14	67.02	67.50	67.55	67.12	66.85	66.45	66.02	66.60	66.69	66.80	67.18	67.86
15	67.10	67.61	67.58	67.16	66.76	66.60	66.10	66.56	66.67	66.87	67.22	67.80
16	67.06	67.59	67.36	67.15	66.54	66.60	66.19	66.61	66.67	66.89	67.24	67.78
17	67.11	67.63	67.35	67.08	66.62	66.47	66.28	66.61	66.72	66.91	67.26	67.84
18	67.15	67.62	67.41	67.01	66.77	66.43	66.27	66.49	66.62	67.00	67.28	67.89
19	67.12	67.64	67.31	67.07	66.72	66.52	66.24	66.45	66.57	67.10	67.30	67.96
20	67.08	67.68	67.29	67.06	66.64	66.43	66.19	66.33	66.55	67.17	67.28	68.01
21	67.08	67.67	67.33	67.00	66.65	66.25	66.12	66.37	66.54	67.21	67.27	68.01
22	67.05	67.59	67.27	66.90	66.66	66.36	66.18	66.37	66.54	67.23	67.32	68.01
23	66.97	67.51	67.23	66.74	66.65	66.43	66.15	66.27	66.57	67.16	67.40	67.98
24	66.94	67.49	67.15	66.86	66.67	66.35	66.14	66.14	66.49	67.06	67.45	67.96
25	66.99	67.46	67.06	66.83	66.60	66.30	66.17	66.06	66.38	67.03	67.46	67.97
26	67.09	67.32	67.14	66.85	66.73	66.38	66.25	66.11	66.33	66.92	67.48	68.07
27	67.13	67.46	67.19	66.81	66.77	66.43	66.22	66.27	66.40	66.88	67.50	68.16
28	67.11	67.37	67.27	66.87	66.67	66.33	66.20	66.33	66.43	66.88	67.59	68.15
29	67.08	67.39	67.25	66.88	66.69	66.23	66.22	66.35	66.43	66.92	67.61	68.02
30	67.13	67.47	67.08	66.91	---	66.09	66.22	66.40	66.43	66.95	67.68	67.90
31	67.15	---	67.04	66.81	---	66.13	---	66.42	---	67.03	67.69	---
MEAN	66.99	67.43	67.36	67.07	66.76	66.50	66.19	66.39	66.58	66.85	67.34	67.87
MAX	67.15	67.68	67.62	67.45	66.95	66.84	66.29	66.61	66.82	67.23	67.69	68.16
MIN	66.85	67.02	67.04	66.74	66.54	66.09	66.02	66.06	66.33	66.50	67.07	67.67

WTR YR 1980 TOTAL 24501.89 MEAN 66.95 LOW 68.16 HIGH 66.02

HYDROGRAPH



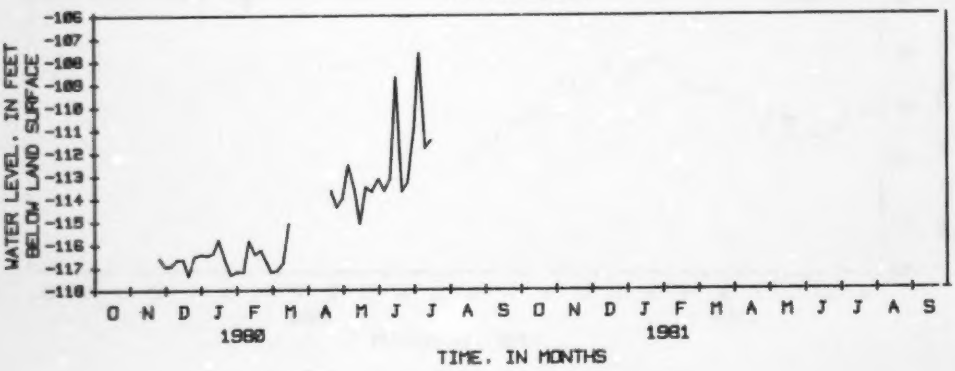
LEXINGTON COUNTY

335250081102501. Local number, LEX-79.
LOCATION.--Lat 33°52'50", long 81°10'25", Hydrologic Unit 03050110, 2.0 mi (3.2 km) southwest of South Congaree off State Hwy 302 and 215 at Pennsylvania Sand and Glass Co.
Owner: Pennsylvania Sand and Glass Co.
AQUIFER.--Sands of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused industrial and observation artesian well, diameter 6 in (15.38 cm), depth 252 ft (76.8 m), cased to 250 ft (76.2 m).
DATUM.--Land-surface datum is 376 ft (114.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder platform, 5.10 ft (1.55 m) above land-surface datum.
PERIOD OF RECORD.--1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 100.31 ft (30.58 m) below land-surface datum, Sept. 9, 1973; lowest, 118.81 ft (36.21 m) below land-surface datum, Feb. 8, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	116.53	113.94	117.30	117.36	---	114.34	109.76	113.09		---
2		---	116.68	116.95	116.58	116.69	---	114.74	110.90	113.80		---
3		---	116.76	117.30	116.52	116.75	---	114.12	113.23	110.73		112.45
4		---	116.61	117.22	117.08	117.25	---	111.26	113.81	108.02		---
5		---	116.95	116.50	117.21	117.15	---	112.53	113.67	107.66		---
6		---	117.00	114.10	117.05	117.51	---	114.96	113.49	110.36		---
7		---	117.24	116.52	117.30	117.57	---	115.05	113.45	112.43		---
8		---	117.41	116.33	116.67	117.31	---	114.84	109.26	112.06		---
9		---	114.70	116.34	116.45	116.23	---	115.41	111.13	111.99		---
10		---	116.66	116.38	115.83	116.84	---	113.58	113.16	111.80		---
11		---	116.59	115.96	116.82	116.90	---	113.74	113.52	109.27		---
12		---	116.98	116.28	116.40	116.70	---	114.39	113.23	107.67		---
13		---	116.27	116.31	116.54	114.66	---	114.53	113.23	109.51		---
14		---	115.85	116.66	116.53	116.91	---	114.87	112.02	111.46		---
15		---	116.66	115.81	116.44	115.10	---	115.12	108.71	111.47		---
16		---	114.62	117.33	115.99	114.91	---	114.72	110.52	111.47		---
17		---	117.11	117.40	116.33	---	---	114.92	112.65	---		---
18		---	117.13	117.10	116.98	---	115.73	113.19	112.93	---		---
19		---	117.21	117.20	116.64	---	113.63	112.54	112.95	---		---
20		---	117.37	116.67	116.26	---	113.66	113.50	113.70	---		---
21		---	117.46	116.99	116.21	---	115.69	114.66	112.66	---		---
22		---	117.11	117.04	116.20	---	115.94	114.63	109.10	---		---
23		---	117.01	117.00	116.36	---	115.36	114.65	110.67	---		---
24		---	117.22	117.35	116.98	---	114.77	113.37	113.22	---		---
25		116.61	116.53	117.33	116.79	---	114.38	113.70	113.32	---		---
26		117.15	117.03	115.31	116.71	---	114.15	113.97	113.49	---		---
27		115.75	117.27	113.72	117.13	---	113.14	113.44	113.64	---		---
28		115.75	117.51	116.53	116.81	---	113.40	114.74	113.55	---		---
29		116.98	116.75	117.13	117.23	---	114.88	114.51	112.60	---		---
30		116.98	114.78	117.29	---	---	114.00	114.62	111.16	---		---
31		---	116.43	117.20	---	---	---	113.15	---	---		---
MEAN		---	116.69	116.49	116.67	---	---	114.12	112.29	---		---
MAX		---	117.51	117.40	117.30	---	---	115.41	113.81	---		---
MIN		---	114.62	113.72	115.83	---	---	111.26	108.71	---		---

HYDROGRAPH



343715079411500. Local number, MLB-112.

LOCATION.--Lat 34°37'15", long 79°41'15", Hydrologic Unit 03040201, near National Guard Armory about 100 yds from main building. Owner: Town of Bennettsville.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 8 in (20.5 cm), depth 345 ft (105.2 m), cased to 320 ft (97.6 m) perforated pipe 220-320 ft (67-97.6 m), screened 320-335 ft (97.6-102 m).

DATUM.--Land-surface datum is 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pad, 1.20 ft (0.37 m) above land-surface datum.

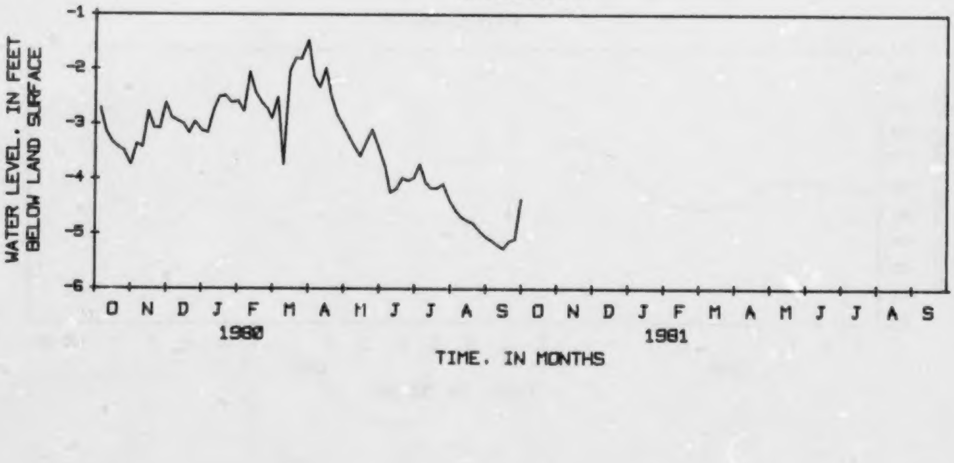
PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 0.85 ft (0.26 m) below land-surface datum, Feb. 2, 1973; lowest, 5.29 ft (1.61 m) below land-surface datum, Sept. 16, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.59	3.68	2.65	3.09	2.60	2.90	1.71	3.07	3.49	4.05	4.44	5.09
2	2.69	3.62	2.72	3.19	2.66	2.05	1.84	3.12	3.60	4.10	4.43	5.10
3	2.80	3.19	2.82	3.26	2.70	2.88	1.93	3.15	3.88	4.13	4.48	5.13
4	2.83	3.25	2.86	3.18	2.73	2.75	1.98	3.19	3.87	4.04	4.53	5.12
5	2.72	3.36	2.88	3.16	2.77	2.51	2.13	3.22	3.76	3.73	4.57	5.12
6	2.79	3.38	2.78	3.20	2.74	2.50	2.23	3.25	3.79	3.83	4.61	5.15
7	2.88	3.42	2.72	3.26	2.71	2.55	2.30	3.31	3.81	3.93	4.63	5.17
8	3.02	3.40	2.81	3.14	2.67	2.32	2.30	3.33	3.85	3.98	4.64	5.19
9	3.08	3.39	2.86	2.76	2.57	3.04	2.20	3.37	4.03	4.04	4.67	5.20
10	3.14	3.42	2.94	2.75	2.05	3.74	2.33	3.42	4.25	4.06	4.70	5.20
11	3.16	3.01	2.98	2.57	2.13	2.48	2.44	3.45	4.29	3.93	4.74	5.22
12	3.15	2.57	2.99	2.48	2.25	2.42	2.49	3.48	4.19	4.01	4.74	5.24
13	3.19	2.64	2.94	2.54	2.36	1.75	2.29	3.51	4.15	4.05	4.66	5.25
14	3.23	2.76	2.98	2.49	2.41	1.86	1.89	3.54	4.14	4.12	4.72	5.25
15	3.32	2.77	3.00	2.50	2.42	2.04	1.98	3.59	4.18	4.17	4.76	5.27
16	3.36	2.81	2.95	2.59	2.41	2.14	2.14	3.65	4.20	4.22	4.80	5.29
17	3.41	2.85	3.05	2.66	2.48	2.16	2.29	3.66	4.14	4.27	4.80	5.27
18	3.41	2.89	3.11	2.43	2.56	1.63	2.36	3.62	4.01	4.09	4.81	5.20
19	3.41	2.99	3.13	2.39	2.58	1.79	2.44	3.63	3.93	4.12	4.82	5.17
20	3.42	3.07	3.16	2.47	2.60	1.80	2.51	3.32	3.98	4.17	4.81	5.13
21	3.44	3.10	3.13	2.59	2.64	1.54	2.56	3.08	4.04	4.24	4.86	5.11
22	3.52	3.06	3.11	2.61	2.64	1.76	2.64	3.20	4.09	4.28	4.86	5.12
23	3.50	3.06	3.12	2.46	2.66	1.94	2.69	3.23	4.14	4.20	4.87	5.14
24	3.45	3.08	3.09	2.57	2.70	1.88	2.76	3.18	4.14	4.04	4.91	5.15
25	3.49	3.08	2.96	2.60	2.72	1.81	2.84	3.10	4.03	4.09	4.93	5.09
26	3.53	2.37	3.09	2.63	2.81	1.97	2.89	3.06	3.87	4.13	4.96	4.98
27	3.55	2.39	3.16	2.55	2.82	2.09	2.91	3.17	3.89	4.20	4.98	4.97
28	3.55	2.46	3.17	2.58	2.82	1.99	2.92	3.25	3.96	4.25	5.00	4.95
29	3.64	2.53	3.15	2.63	2.90	1.54	2.97	3.31	4.01	4.30	5.02	4.85
30	3.70	2.61	3.10	2.67	---	1.44	3.01	3.38	3.97	4.35	5.04	4.37
31	3.74	---	3.12	2.58	---	1.47	---	3.44	---	4.40	5.06	---
MEAN	3.25	3.01	2.98	2.73	2.59	2.15	2.40	3.33	3.99	4.11	4.77	5.12
MAX	3.74	3.68	3.17	3.26	2.90	3.74	3.01	3.66	4.29	4.40	5.06	5.29
MIN	2.59	2.37	2.65	2.39	2.05	1.44	1.71	3.06	3.49	3.73	4.43	4.37

HYDROGRAPH



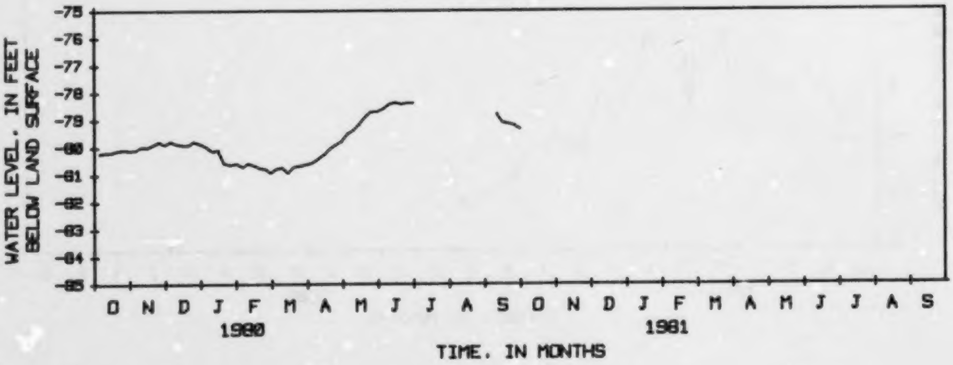
RICHLAND COUNTY

340335080583501. Local number, RIC-40.
LOCATION.--Lat 34°03'35", long 80°58'35", Hydrologic Unit 03050110, on Shakespeare Road in Dentsville, North of Columbia.
Owner: Shakespeare Manufacturing Co.
AQUIFER.--Sands of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused well, diameter 6 in (15.38 cm), depth 245 ft (74.7 m), cased to 233 ft (71 m), screened 98-105 ft (30-32 m).
DATUM.--Land-surface datum is 390 ft (119 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing. 0.37 ft (0.11 m) above land-surface datum.
PERIOD OF RECORD.--1942-52, 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 76.03 ft (23.17 m) below land-surface datum, Oct. 17, 1975; lowest, 95.29 ft (29.04 m) below land-surface datum, April 6, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80.27	80.06	79.85	79.89	80.68	80.88	80.70	79.74	78.62	78.44		---
2	80.24	80.00	79.90	79.97	80.69	80.79	80.66	79.69	78.60	78.46		---
3	80.30	80.03	79.92	80.03	80.68	80.86	80.58	79.61	78.59	78.79		---
4	80.26	80.13	79.80	79.97	80.68	80.83	80.49	79.56	78.57	---		---
5	80.22	80.08	79.77	79.97	80.71	80.78	80.55	79.50	78.57	---		---
6	80.23	80.03	79.73	80.07	80.61	80.86	80.56	79.44	78.55	---		---
7	80.20	79.99	79.83	80.03	80.71	80.85	80.50	79.44	78.50	---		---
8	80.22	79.99	79.93	80.05	80.75	80.76	80.45	79.39	78.41	---		---
9	80.18	79.95	79.94	80.10	80.62	80.76	80.39	79.39	78.45	---		78.77
10	80.17	79.96	79.86	80.13	80.58	80.74	80.40	79.37	78.41	---		78.79
11	80.17	79.99	79.86	79.99	80.68	80.82	80.44	79.29	78.44	---		78.87
12	80.15	80.00	79.84	80.08	80.71	80.86	80.34	79.25	78.41	---		78.85
13	80.15	79.99	79.80	80.07	80.77	80.77	80.27	79.19	78.36	---		78.97
14	80.22	80.01	79.87	80.00	80.75	80.87	80.21	79.15	78.34	---		79.06
15	80.18	79.99	79.90	80.09	80.66	80.93	80.25	79.16	78.35	---		79.10
16	80.13	79.90	79.79	80.14	80.58	80.85	80.27	79.17	78.38	---		79.13
17	80.12	79.90	79.89	80.18	80.75	80.72	80.26	79.10	78.47	---		79.17
18	80.12	79.87	79.92	80.25	80.82	80.76	80.17	79.01	78.44	---		79.23
19	80.11	79.89	79.84	80.48	80.78	80.81	80.13	78.97	78.42	---		79.15
20	80.10	79.88	79.91	80.57	80.76	80.70	80.04	78.89	78.41	---		79.14
21	80.12	79.87	79.95	80.64	80.82	80.61	79.96	78.91	78.43	---		79.17
22	80.08	79.86	79.87	80.57	80.82	80.78	79.94	78.89	78.42	---		79.20
23	80.03	79.83	79.85	80.49	80.82	80.79	79.86	78.83	78.42	---		79.19
24	80.06	79.83	79.78	80.61	80.83	80.65	79.83	78.75	78.43	---		79.18
25	80.07	79.78	79.77	80.63	80.80	80.67	79.88	78.69	78.37	---		79.19
26	80.09	79.77	79.89	80.65	80.94	80.79	79.91	78.73	78.42	---		79.26
27	80.08	79.88	79.95	80.58	80.88	80.82	79.87	78.80	78.47	---		79.31
28	80.04	79.79	80.02	80.59	80.82	80.74	79.85	78.77	78.44	---		79.28
29	80.05	79.83	79.97	80.62	80.93	80.66	79.82	78.72	78.38	---		79.18
30	80.08	79.88	79.85	80.67	---	80.58	79.77	78.71	78.37	---		79.33
31	80.10	---	79.87	80.59	---	80.61	---	78.68	---	---		---
MEAN	80.15	79.93	79.87	80.28	80.75	80.77	80.21	79.12	78.45	---		---
MAX	80.30	80.13	80.02	80.67	80.94	80.93	80.70	79.74	78.62	---		---
MIN	80.03	79.77	79.73	79.89	80.58	80.58	79.77	78.68	78.34	---		---

HYDROGRAPH



340540081021508. Local number, RIC-309.

LOCATION.--Lat 34°05'40", long 81°02'15", Hydrologic Unit 03050106, north of Columbia off State road 423 at Lincolnshire subdivision. Owner: Heater Utilities.

AQUIFER.--Fractures in crystalline rock.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 6 in (15.2 cm), depth 300 ft (91.4 m), cased to 90 ft (27. m), open hole below casing.

DATUM.--Land-surface datum is 260 ft (79 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft (0.17 m) above land-surface datum.

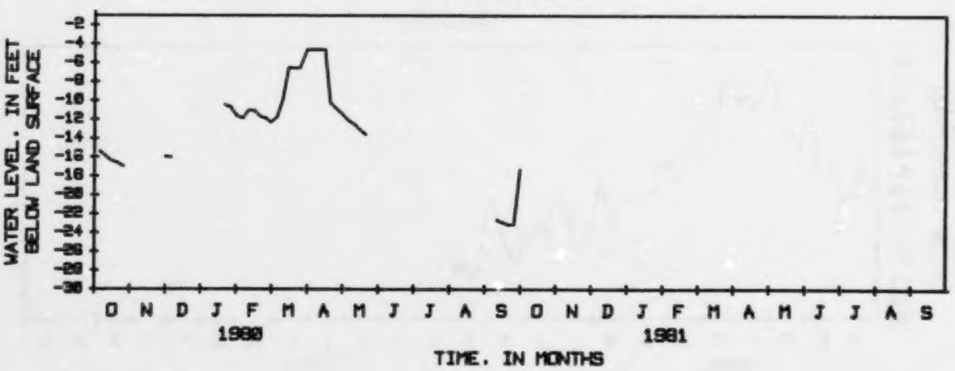
PERIOD OF RECORD.--1972-June 1975, September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 4.56 ft (1.39 m), below land-surface datum, Mar. 31, 1980; lowest, 44.83 ft (13.66 m) below land-surface datum, Dec. 30, 1973.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.74	---	16.12	---	11.52	12.31	4.56	11.52				---
2	15.83	---	15.89	---	11.58	12.27	4.56	11.67				---
3	15.92	---	15.62	---	11.65	12.34	4.56	11.83				---
4	15.98	---	16.00	---	11.70	12.25	4.56	11.94				---
5	15.39	---	15.98	---	11.88	11.76	4.56	12.05				---
6	15.61	---	15.90	---	11.81	11.77	4.56	12.11				---
7	15.71	---	---	---	11.80	11.83	4.56	12.16				---
8	15.90	---	---	---	12.11	10.28	4.56	12.26				---
9	15.90	---	---	---	12.09	9.46	4.56	12.39				---
10	15.90	---	---	---	11.01	9.95	4.56	12.46				22.61
11	15.96	---	---	---	9.92	10.43	4.56	12.65				22.69
12	15.99	---	---	---	10.18	10.16	4.56	12.81				22.77
13	16.08	---	---	---	10.67	6.60	4.56	12.86				22.88
14	16.33	---	---	---	11.01	6.46	4.56	12.93				22.91
15	16.38	---	---	---	11.03	6.48	4.56	13.03				22.90
16	16.35	---	---	13.10	10.96	6.50	4.56	13.08				22.98
17	16.37	---	---	13.05	11.44	6.52	7.58	13.17				22.98
18	16.44	---	---	11.48	11.73	6.53	9.87	13.36				22.89
19	16.50	---	---	10.44	11.70	6.53	10.07	13.51				23.08
20	16.60	---	---	10.44	11.69	6.53	10.23	13.57				23.14
21	16.48	---	---	10.44	11.81	6.49	10.29	---				23.17
22	16.63	---	---	10.44	11.80	6.48	10.48	---				23.21
23	16.97	---	---	10.44	11.83	6.48	10.59	---				23.25
24	17.03	---	---	10.44	11.92	6.49	10.67	---				23.32
25	16.97	---	---	10.66	11.90	6.49	10.84	---				23.10
26	---	---	---	11.53	12.21	6.49	11.04	---				23.25
27	---	---	---	11.50	12.14	6.50	11.16	---				23.40
28	---	15.69	---	11.66	12.06	6.38	11.20	---				22.45
29	---	15.78	---	11.76	12.32	5.03	11.32	---				19.34
30	---	15.93	---	11.91	---	4.80	11.40	---				17.31
31	---	---	---	11.64	---	4.56	---	---				---
MEAN	---	---	---	---	11.57	8.17	7.32	---				---
MAX	---	---	---	---	12.32	12.34	11.40	---				---
MIN	---	---	---	---	9.92	4.56	4.56	---				---

HYDROGRAPH



SUMTER COUNTY

335602080204800. Local number, SU-69.

LOCATION.--Lat 33°56'02", long 80°20'48", Hydrologic Unit 03040205, at Sumter municipal well field, Church Street Plant, City Well No. 1A. Owner: City of Sumter.

AQUIFER.--Sands of Black Creek and Middendorf Formations.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 18 in (46.7 cm) to 260 ft (79.2 m), 8 in (20.3 cm) from 211 ft (64.3 m) to 625 ft (190.5 m), depth 714 ft (217.6 m), cased to 625 ft (190.5 m), logged to 364 ft 9/79, screened 508-528 ft (154.8-160.9 m), 550-570 ft (167.6-173.7 m), 605-625 ft (184.4-190.5 m), gravel packed.

DATUM.--Land-surface datum is 176 ft (53.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pad, 0.42 ft (0.13 m) land-surface datum.

REMARKS.--Water levels are affected by pumping of nearby wells.

PERIOD OF RECORD.--June 1970 to current year. Monthly values, 1946-1969.

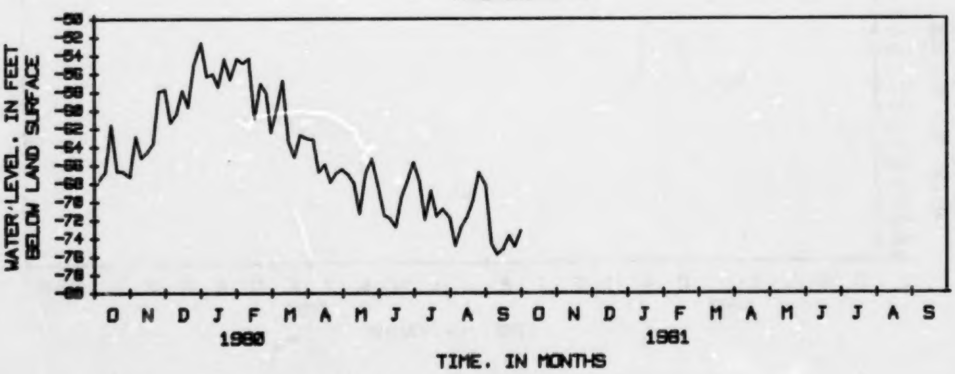
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 40.57 ft (12.37 m) below land-surface datum, Oct. 29, 1971; lowest, 77.81 ft (23.72 m) below land-surface datum, June 28, 1974.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66.13	66.48	56.83	52.71	54.63	61.17	64.09	67.63	67.07	68.92	73.13	68.19
2	68.62	66.57	56.24	54.21	56.73	58.52	65.26	68.70	67.27	68.92	70.40	68.17
3	69.05	66.66	56.62	54.96	55.37	57.27	64.93	70.30	70.23	68.48	72.62	72.89
4	68.27	63.19	57.66	55.45	55.21	59.79	63.78	66.72	71.46	65.48	71.73	73.83
5	67.57	62.86	61.33	56.29	54.85	59.77	63.19	67.01	71.44	67.73	74.82	74.62
6	65.76	65.29	62.97	55.10	55.74	60.79	60.59	67.97	71.64	67.49	75.14	72.79
7	61.96	65.59	62.18	54.89	55.17	61.60	61.93	69.37	71.65	69.01	74.07	74.80
8	62.95	66.69	61.61	55.10	55.42	62.23	65.45	69.55	70.06	71.16	74.21	74.96
9	65.93	65.89	59.94	55.72	56.07	58.01	66.53	67.76	70.65	74.20	74.25	75.70
10	66.73	65.23	60.38	56.05	54.32	56.76	66.75	67.93	71.84	71.99	72.77	75.81
11	66.45	63.43	60.25	55.80	56.02	61.19	67.27	67.09	72.20	68.39	73.03	74.53
12	66.16	63.30	59.07	55.48	57.12	63.58	64.95	66.04	72.94	67.63	74.39	73.32
13	64.24	63.43	59.05	53.95	58.29	61.92	62.21	68.17	72.89	66.75	72.46	75.35
14	59.31	65.87	57.83	54.15	59.26	63.90	62.59	69.74	73.48	66.70	71.46	76.26
15	61.56	64.55	57.84	57.44	60.89	63.45	65.91	71.29	72.79	68.85	71.73	75.19
16	65.75	64.10	56.32	58.41	58.36	59.83	65.14	70.10	72.66	70.76	70.75	76.02
17	65.98	60.40	55.69	57.91	54.49	59.84	65.67	68.97	73.75	72.02	71.53	76.30
18	67.51	59.60	57.86	57.25	54.08	61.58	66.61	65.25	70.71	72.79	69.25	74.59
19	67.76	60.63	58.18	56.64	54.96	64.17	64.26	66.46	69.94	70.39	69.51	74.73
20	66.65	63.63	59.65	54.38	57.08	65.14	67.86	66.93	69.39	71.63	69.92	73.75
21	68.90	63.46	61.05	54.22	58.34	64.05	66.12	68.28	69.00	70.41	70.84	74.76
22	65.58	62.93	57.96	54.52	58.14	66.28	64.39	68.24	67.61	73.26	70.95	74.24
23	66.41	59.42	55.72	54.58	60.51	64.88	65.19	66.81	69.02	72.23	69.53	75.44
24	66.93	58.35	54.85	55.19	58.22	60.43	67.37	66.74	67.08	71.39	68.46	75.72
25	66.70	57.94	54.99	56.64	58.07	62.68	66.85	65.28	67.73	70.83	66.84	74.92
26	66.52	57.04	55.54	55.03	58.68	63.22	65.29	64.17	68.42	71.14	67.26	74.43
27	66.85	58.42	54.45	54.11	60.10	63.69	64.92	66.09	68.58	69.75	68.06	73.63
28	63.04	58.72	54.19	54.41	61.00	63.52	65.31	66.49	68.08	70.58	68.12	70.68
29	63.08	58.49	53.86	54.55	62.40	63.40	65.32	67.28	66.98	71.11	69.26	70.14
30	64.96	57.69	53.16	54.13	---	61.40	66.42	69.38	65.70	73.06	67.97	73.21
31	67.27	---	52.63	54.35	---	63.11	---	68.35	---	71.79	68.23	---
MEAN	65.83	62.54	57.61	55.28	57.22	61.84	65.07	67.74	70.08	70.16	71.05	73.97
MAX	69.05	66.69	62.97	58.41	62.40	66.28	67.86	71.29	73.75	74.20	75.14	76.30
MIN	59.31	57.04	52.63	52.71	54.08	56.76	60.59	64.17	65.70	65.48	66.84	68.17

WTR YR 1980 TOTAL 23744.04 MEAN 64.87 LOW 76.30 HIGH 52.63

HYDROGRAPH



345930081591000. Local number, SP-297.

LOCATION.--Lat 34°59'30", long 81°59'10", Hydrologic Unit 03050105, 0.5 mi (0.8 km) northwest of intersection of U.S. I-85 and State Hwy. 56 off State Hwy. 56 on Geddes St. in Spartanburg.

Owner: Metro. Subdistrict B Water Works.

AQUIFER.--Metamorphic rock of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 6 in (15.38 cm), depth 442 ft (134.7 m), cased to 51 ft (15.5 m), open hole below casing.

DATUM.--Land-surface datum is 880 ft (268 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.97 ft (0.30 m) above land-surface datum.

REMARKS.--Formerly listed as SP 298.

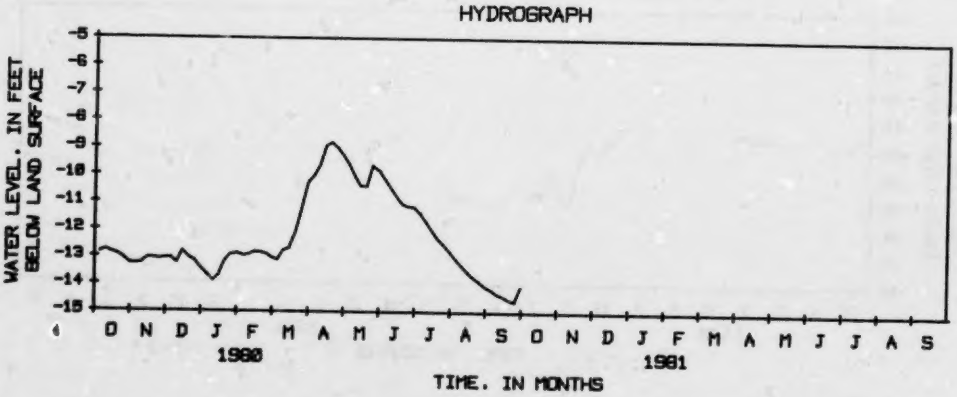
PERIOD OF RECORD.--March 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 5.77 ft (1.75 m) below land-surface datum, Apr. 9, 1973; lowest, 17.82 ft (43 m) below land-surface datum, Dec. 31, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.20	13.26	13.04	13.49	12.91	13.05	10.25	9.35	9.86	11.24	12.84	14.15
2	13.05	13.23	13.10	13.55	12.92	13.03	10.16	9.42	9.91	11.29	12.89	14.18
3	13.02	13.20	13.13	13.60	12.92	13.12	10.07	9.50	9.97	11.33	12.93	14.18
4	12.95	13.25	13.06	13.61	12.94	13.12	9.97	9.56	10.07	11.36	12.99	14.16
5	12.86	13.26	13.04	13.65	12.95	13.11	10.03	9.60	10.16	11.38	13.06	14.18
6	12.82	13.23	13.04	13.72	12.91	13.17	10.00	9.65	10.21	11.43	13.11	14.20
7	12.80	13.24	13.10	13.73	12.98	13.17	9.92	9.73	10.25	11.51	13.15	14.21
8	12.81	13.24	13.19	13.78	13.01	13.04	9.80	9.81	10.29	11.58	13.20	14.27
9	12.78	13.23	13.25	13.83	12.94	12.88	9.70	9.93	10.40	11.62	13.25	14.31
10	12.76	13.24	13.23	13.88	12.91	12.76	9.68	10.05	10.46	11.67	13.30	14.33
11	12.76	13.23	13.25	13.82	12.89	12.77	9.70	10.09	10.58	11.74	13.35	14.33
12	12.76	13.14	12.74	13.86	12.89	12.75	9.63	10.18	10.67	11.82	13.38	14.35
13	12.80	13.06	12.68	13.85	12.91	12.65	9.58	10.27	10.70	11.87	13.42	14.37
14	12.86	13.08	12.75	13.74	12.87	12.66	9.24	10.32	10.73	11.94	13.47	14.39
15	12.86	13.05	12.80	13.69	12.81	12.67	8.92	10.40	10.78	11.99	13.51	14.41
16	12.85	13.02	12.78	13.66	12.77	12.62	8.85	10.50	10.85	12.04	13.56	14.45
17	12.87	13.02	12.87	13.61	12.86	12.51	8.82	10.52	10.93	12.10	13.62	14.48
18	12.89	13.01	12.91	13.45	12.90	12.38	8.77	10.45	10.95	12.16	13.65	14.52
19	12.91	13.04	12.92	13.30	12.86	12.29	8.79	10.47	11.01	12.23	13.68	14.54
20	12.93	13.06	13.02	13.17	12.83	12.14	8.81	10.42	11.06	12.28	13.72	14.53
21	12.96	13.07	13.08	13.09	12.85	11.83	8.82	10.22	11.15	12.32	13.72	14.55
22	12.97	13.06	13.09	12.98	12.85	11.72	8.88	10.14	11.21	12.35	13.76	14.57
23	12.95	13.05	13.14	12.93	12.87	11.64	8.87	10.02	11.26	12.39	13.81	14.60
24	13.01	13.09	13.12	12.93	12.90	11.47	8.91	9.80	11.27	12.45	13.84	14.63
25	13.06	13.08	13.14	12.91	12.89	11.34	9.01	9.64	11.14	12.51	13.87	14.61
26	13.12	13.03	13.25	12.93	12.98	11.28	9.06	9.65	11.03	12.55	13.91	14.59
27	13.16	13.07	13.32	12.91	12.96	11.24	9.07	9.70	11.06	12.59	13.96	14.63
28	13.15	13.01	13.38	12.90	12.93	11.09	9.14	9.71	11.11	12.62	14.00	14.63
29	13.20	13.02	13.40	12.90	13.02	10.70	9.20	9.72	11.12	12.69	14.05	14.42
30	13.24	13.05	13.38	12.91	---	10.41	9.27	9.77	11.17	12.75	14.07	14.07
31	13.26	---	13.44	12.87	---	10.27	---	9.83	---	12.80	14.07	---
MEAN	12.96	13.12	13.09	13.40	12.90	12.22	9.36	9.95	10.71	12.02	13.52	14.39
MAX	13.26	13.26	13.44	13.88	13.02	13.17	10.25	10.52	11.27	12.80	14.07	14.63
MIN	12.76	13.01	12.68	12.87	12.77	10.27	8.77	9.35	9.86	11.24	12.84	14.07

WTR YR 1980 TOTAL 4503.56 MEAN 12.30 LOW 14.63 HIGH 8.77



YORK COUNTY

350150081012500. Local number, YK-147.

LOCATION.--Lat 35°01'50", long 81°01'25", Hydrologic Unit 03050101, at Fort Mill on Lake Wiley.
Owner: Tega Cay Development.

AQUIFER.--Rock of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled unused privately owned public supply well, diameter 8 in (20.5 cm), depth 700 ft (213.4 m), cased to 50 ft (15 m), open hole below casing.

DATUM.--Land-surface datum is 600 ft (183 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft (0.23 m) above land-surface datum.

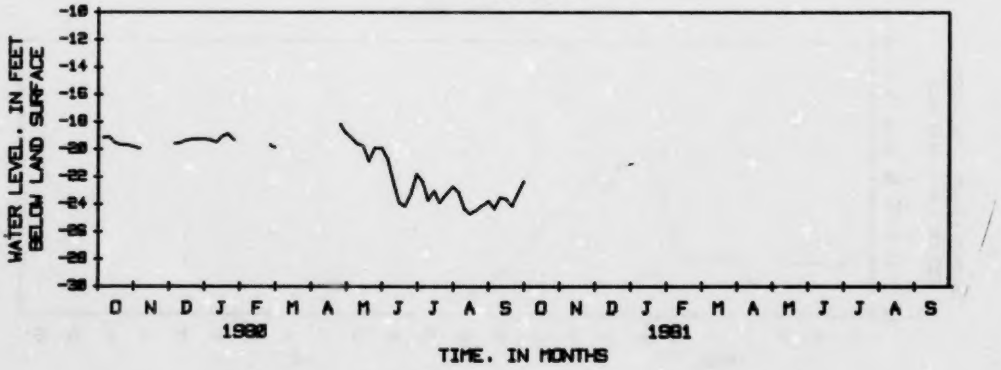
PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 18.59 ft (5.67 m) below land-surface datum, Apr. 8, 1973; lowest, 25.23 ft (7.69 m) below land-surface datum, July 27, 1977.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.68	19.80	---	19.28	---		---	18.88	19.95	21.85	22.69	23.90
2	19.51	19.72	---	19.35	---		---	18.95	20.02	21.91	22.79	24.01
3	19.44	19.72	---	19.40	---		---	18.99	20.14	22.03	22.85	24.16
4	19.35	19.87	19.62	19.35	---		---	19.07	20.38	22.21	22.93	24.34
5	19.15	19.94	19.58	19.31	---		---	19.15	20.67	22.34	23.12	24.33
6	19.08	---	19.49	19.37	---		---	19.29	20.91	22.51	23.31	24.17
7	18.99	---	19.47	19.35	---		---	19.40	21.16	22.79	23.45	23.96
8	19.05	---	19.54	19.43	---		---	19.50	21.42	23.13	23.66	23.76
9	19.07	---	19.56	19.50	---		---	19.59	21.84	23.47	23.99	23.62
10	19.09	---	19.51	19.47	---		---	19.59	22.34	23.72	24.33	23.48
11	19.20	---	19.51	19.29	---		---	19.52	22.88	23.69	24.60	23.43
12	19.26	---	19.48	19.28	---		---	19.51	23.28	23.44	24.70	23.38
13	19.33	---	19.39	19.25	---		---	19.52	23.55	23.18	24.75	23.36
14	19.43	---	19.37	19.08	---		---	19.57	23.71	23.02	24.72	23.40
15	19.53	---	19.32	19.03	---		---	19.75	23.87	23.03	24.70	23.61
16	19.56	---	19.21	19.05	---		---	19.98	24.11	23.13	24.68	23.98
17	19.61	---	19.26	19.05	---		---	20.33	24.33	23.35	24.73	24.26
18	19.62	---	19.25	18.96	---		---	20.71	24.48	23.63	24.71	24.39
19	19.66	---	19.18	18.91	---		---	20.94	24.39	23.90	24.62	24.35
20	19.68	---	19.25	18.83	---		---	20.86	24.15	23.89	24.46	24.13
21	19.72	---	19.28	18.89	---		---	20.73	23.85	23.87	24.32	23.85
22	19.74	---	19.31	19.00	---		---	20.53	23.61	23.83	24.25	23.60
23	19.65	---	19.32	19.09	---		---	20.30	23.51	23.69	24.28	23.43
24	19.66	---	19.26	19.22	---		18.07	20.07	23.45	23.56	24.21	23.33
25	19.68	---	19.24	19.30	19.65		18.17	19.88	23.28	23.32	24.11	23.21
26	19.68	---	19.35	19.39	19.75		18.28	19.83	22.97	23.12	24.03	23.17
27	19.65	---	19.38	19.37	19.79		18.36	19.85	22.55	22.94	23.92	23.06
28	19.58	---	19.44	19.42	19.75		18.50	19.88	22.16	22.81	23.81	22.85
29	19.62	---	19.38	19.49	19.85		18.61	19.87	21.90	22.78	23.73	22.57
30	19.74	---	19.25	19.52	---		18.76	19.87	21.78	22.75	23.71	22.35
31	19.81	---	19.25	---	---		---	19.91	---	22.71	23.77	---
MEAN	19.48	---	---	---	---		---	19.80	22.55	23.08	24.00	23.65
MAX	19.81	---	---	---	---		---	20.94	24.48	23.90	24.75	24.39
MIN	18.99	---	---	---	---		---	18.88	19.95	21.85	22.69	22.35

HYDROGRAPH



APPENDIX

APPENDIX

Following are two listings of the new versus old terminology for each of the 143 water-quality parameters affected by the terminology change explained on page 4. The first listing orders the changes numerically according to the laboratory parameter code and the second listing orders the changes alphabetically according to the parameter name.

NUMERIC LISTING

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
00623	Nitrogen, ammonia plus organic, dissolved (mg/L as N)
00623	Nitrogen, kjeldahl, dissolved (mg/L as N)
00624	Nitrogen, ammonia plus organic, suspended total (mg/L as N)
00624	Nitrogen, kjeldahl, suspended (mg/L as N)
00625	Nitrogen, ammonia plus organic, total (mg/L as N)
00625	Nitrogen, kjeldahl, total (mg/L as N)
00626	Nitrogen, ammonia plus organic, total in bottom material, dry wt (mg/kg as N)
00626	Nitrogen, kjeldahl, total in bottom material, dry wt (mg/kg as N)
00683	Carbon, organic, suspended total (mg/L as C)
00683	Carbon, organic, suspended (mg/L as C)
00688	Carbon, inorganic, suspended total (mg/L as C)
00688	Carbon, inorganic, suspended (mg/L as C)
00689	Carbon, organic, suspended total (mg/L as C)
00689	Carbon, organic, suspended (mg/L as C)
00694	Carbon, inorganic plus organic, suspended total (mg/L as C)
00694	Carbon, inorganic plus organic, suspended (mg/L as C)
00916	Calcium, total recoverable (mg/L as Ca)
00916	Calcium, total (mg/L as Ca)
00926	Magnesium, suspended recoverable (mg/L as Mg)
00926	Magnesium, suspended (mg/L as Mg)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
00927	Magnesium, total recoverable (mg/L as Mg)
00927	Magnesium, total (mg/L as Mg)
01001	Arsenic, suspended total (mg/L as As)
01001	Arsenic, suspended (ug/L as As)
01006	Barium, suspended recoverable (ug/L as Ba)
01006	Barium, suspended (ug/L as Ba)
01007	Barium, total recoverable (ug/L as Ba)
01007	Barium, total (ug/L as Ba)
01008	Barium, recoverable from bottom material (ug/g as Ba)
01008	Barium, total in bottom material (ug/g as Ba)
01011	Beryllium, suspended recoverable (ug/L as Be)
01011	Beryllium, suspended (ug/L as Be)
01012	Beryllium, total recoverable (ug/L as Be)
01012	Beryllium, total (ug/L as Be)
01013	Beryllium, recoverable from bottom material (ug/g as Be)
01013	Beryllium, total in bottom material (ug/g as Be)
01016	Bismuth, suspended total (ug/L as Bi)
01016	Bismuth, suspended (ug/L as Bi)
01021	Boron, suspended recoverable (ug/L as B)
01021	Boron, suspended (ug/L as B)
01022	Boron, total recoverable (ug/L as B)
01022	Boron, total (ug/L as B)
01023	Boron, recoverable from bottom material (ug/g as B)
01023	Boron, total in bottom material (ug/g as B)
01026	Cadmium, suspended recoverable (ug/L as Cd)
01026	Cadmium, suspended (ug/L as Cd)
01027	Cadmium, total recoverable (ug/L as Cd)
01027	Cadmium, total (ug/L as Cd)
01028	Cadmium, recoverable from bottom material (ug/g as Cd)
01028	Cadmium, total in bottom material (ug/g as Cd)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01029	Chromium, recoverable from bottom material (ug/g as Cr)
01029	Chromium, total in bottom material (ug/g as Cr)
01031	Chromium, suspended recoverable (ug/L as Cr)
01031	Chromium, suspended (ug/L as Cr)
01034	Chromium, total recoverable (ug/L as Cr)
01034	Chromium, total (ug/L as Cr)
01036	Cobalt, suspended recoverable (ug/L as Co)
01036	Cobalt, suspended (ug/L as Co)
01037	Cobalt, total recoverable (ug/L as Co)
01037	Cobalt, total (ug/L as Co)
01038	Cobalt, recoverable from bottom material (ug/g as Co)
01038	Cobalt, total in bottom material (ug/g as Co)
01041	Copper, suspended recoverable (ug/L as Cu)
01041	Copper, suspended (ug/L as Cu)
01042	Copper, Total recoverable (ug/L as Cu)
01042	Copper, total (ug/L as Cu)
01043	Copper, recoverable from bottom material (ug/g as Cu)
01043	Copper, total in bottom material (ug/g as Cu)
01044	Iron, suspended recoverable (ug/L as Fe)
01044	Iron, suspended (ug/L as Fe)
01045	Iron, total recoverable (ug/L as Fe)
01045	Iron, total (ug/L as Fe)
01050	Lead, suspended recoverable (ug/L as Pb)
01050	Lead, suspended (ug/L as Pb)
01051	Lead, total recoverable (ug/L as Pb)
01051	Lead, total (ug/L as Pb)
01052	Lead, recoverable from bottom material (ug/g as Pb)
01052	Lead, total in bottom material (ug/g as Pb)
01053	Manganese, recoverable from bottom material (ug/g as Mn)
01053	Manganese, total in bottom material (ug/g as Mn)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01054	Manganese, suspended recoverable (ug/L as Mn)
01054	Manganese, suspended (ug/L as Mn)
01055	Manganese, total recoverable (ug/L as Mn)
01055	Manganese, total (ug/L as Mn)
01061	Molybdenum, suspended recoverable (ug/L as Mo)
01061	Molybdenum, suspended (ug/L as Mo)
01062	Molybdenum, total recoverable (ug/L as Mo)
01062	Molybdenum, total (ug/L as Mo)
01063	Molybdenum, recoverable from bottom material (ug/g as Mo)
01063	Molybdenum, total in bottom material (ug/g as Mo)
01066	Nickel, suspended recoverable (ug/L as Ni)
01066	Nickel, suspended (ug/L as Ni)
01067	Nickel, total recoverable (ug/L as Ni)
01067	Nickel, total (ug/L as Ni)
01068	Nickel, recoverable from bottom material (ug/g as Ni)
01068	Nickel, total in bottom material (ug/g as Ni)
01076	Silver, suspended recoverable (ug/L as Ag)
01076	Silver, suspended (ug/L as Ag)
01077	Silver, total recoverable (ug/L as Ag)
01077	Silver, total (ug/L as Ag)
01078	Silver, recoverable from bottom material (ug/g as Ag)
01078	Silver, total in bottom material (ug/g as Ag)
01081	Strontium, suspended recoverable (ug/L as Sr)
01081	Strontium, suspended (ug/L as Sr)
01082	Strontium, total recoverable (ug/L as Sr)
01082	Strontium, total (ug/L as Sr)
01083	Strontium, recoverable from bottom material (ug/g as Sr)
01083	Strontium, total in bottom material (ug/g as Sr)
01086	Vanadium, suspended total (ug/L as V)
01086	Vanadium, suspended (ug/L as V)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01091	Zinc, suspended recoverable (ug/L as Zn)
01091	Zinc, suspended (ug/L as Zn)
01092	Zinc, total recoverable (ug/L as Zn)
01092	Zinc, total (ug/L as Zn)
01093	Zinc, recoverable from bottom material (ug/g as Zn)
01093	Zinc, total in bottom material (ug/g as Zn)
01096	Antimony, suspended total (ug/L as Sb)
01096	Antimony, suspended (ug/L as Sb)
01101	Tin, suspended recoverable (ug/L as Sn)
01101	Tin, suspended (ug/L as Sn)
01102	Tin, total recoverable (ug/L as Sn)
01102	Tin, total (ug/L as Sn)
01105	Aluminum, total recoverable (ug/L as Al)
01105	Aluminum, total (ug/L as Al)
01107	Aluminum, suspended recoverable (ug/L as Al)
01107	Aluminum, suspended (ug/L as Al)
01108	Aluminum, recoverable from bottom material (ug/g as Al)
01108	Aluminum, total in bottom material (ug/g as Al)
01116	Cesium, suspended total (ug/L as Cs)
01116	Cesium, suspended (ug/L as Cs)
01121	Gallium, suspended total (ug/L as Ga)
01121	Gallium, suspended (ug/L as Ga)
01126	Germanium, suspended total (ug/L as Ge)
01126	Germanium, suspended (ug/L as Ge)
01131	Lithium, suspended recoverable (ug/L as Li)
01131	Lithium, suspended (ug/L as Li)
01132	Lithium, total recoverable (ug/L as Li)
01132	Lithium, total (ug/L as Li)
01136	Rubidium, suspended total (ug/L as Rb)
01136	Rubidium, suspended (ug/L as Rb)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01146	Selenium, suspended total (ug/L as Se)
01146	Selenium, suspended (ug/L as Se)
01151	Titanium, suspended total (ug/L as Ti)
01151	Titanium, suspended (ug/L as Ti)
01161	Zirconium, suspended total (ug/L as Zr)
01161	Zirconium, suspended (ug/L as Zr)
01170	Iron, recoverable from bottom material (ug/g as Fe)
01170	Iron, total in bottom material (ug/g as Fe)
01505	Alpha, suspended total (pCi/L)
01505	Alpha, suspended (pCi/L)
01506	Alpha, suspended total, counting error (pCi/L)
01506	Alpha, suspended, counting error (pCi/L)
01516	Gross alpha radioactivity, suspended total (pCi/L as U natural)
01516	Gross alpha radioactivity, suspended (pCi/L as U natural)
01517	Gross alpha radioactivity, suspended total (pCi/g as U natural)
01517	Gross alpha radioactivity, suspended (pCi/g as U natural)
01518	Gross alpha radioactivity, suspended total (ug/g as U natural)
01518	Gross alpha radioactivity, suspended (ug/g as U natural)
03505	Beta, suspended total (pCi/L)
03505	Beta, suspended (pCi/L)
03506	Beta, suspended total, counting error (pCi/L)
03506	Beta, suspended, counting error (pCi/L)
03516	Gross beta radioactivity, suspended total (pCi/L as Cs-137)
03516	Gross beta radioactivity, suspended (pCi/L as Cs-137)
03517	Gross beta radioactivity, suspended total (pCi/g as Sr/Yt-90)
03517	Gross beta radioactivity, suspended (pCi/g as Sr/Yt-90)
03518	Gross beta radioactivity, suspended total (pCi/g as Cs-137)
03518	Gross Beta radioactivity, suspended (pCi/g as Cs-137)
07010	Tritium, suspended total (pCi/L)
07010	Tritium, suspended (pCi/L)

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Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
07011	Tritium, suspended total, counting error (pCi/L)
07011	Tritium, suspended, counting error (pCi/L)
07014	Tritium, suspended total, counting error (tritium units)
07014	Tritium, suspended, counting error (tritium units)
07016	Tritium, suspended total (tritium units)
07016	Tritium, suspended (tritium units)
07052	Calcium 45, suspended total (pCi/L)
07052	Calcium 45, suspended (pCi/L)
07053	Calcium 45, suspended total, counting error (pCi/L)
07053	Calcium 45, suspended, counting error (pCi/L)
07062	Iron 59, suspended total (pCi/L)
07062	Iron 59, suspended (pCi/L)
07063	Iron 59, suspended total, counting error (pCi/L)
07063	Iron 59, suspended, counting error (pCi/L)
07082	Rhodamine Wt, suspended total (ug/L)
07082	Rhodamine Wt, suspended (ug/L)
07102	Selenium 75, suspended total (pCi/L)
07102	Selenium 75, suspended (pCi/L)
07103	Selenium 75, suspended total, counting error (pCi/L)
07103	Selenium 75, suspended, counting error (pCi/L)
07122	Silver 110, suspended total (pCi/L)
07122	Silver 110, suspended (pCi/L)
07123	Silver 110, suspended total, counting error (pCi/L)
07123	Silver 110, suspended, counting error (pCi/L)
07142	Sulfur 35, suspended total (pCi/L)
07142	Sulfur 35, suspended (pCi/L)
07143	Sulfur 35, suspended total, counting error (pCi/L)
07143	Sulfur 35, suspended, counting error (pCi/L)
09505	Radium 226, suspended total (pCi/L)
09505	Radium 226, suspended (pCi/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
13505	Strontium 90, suspended total (pCi/L)
13505	Strontium 90, suspended (pCi/L)
13506	Strontium 90, suspended total, counting error (pCi/L)
13506	Strontium 90, suspended, counting error (pCi/L)
22705	Uranium, natural, suspended total (ug/L as U natural)
22705	Uranium, natural, suspended (ug/L as U natural)
28404	Cesium 137, suspended total (pCi/L)
28404	Cesium 137, suspended (pCi/L)
28405	Cesium 137, suspended total, counting error (pCi/L)
28405	Cesium 137, suspended, counting error (pCi/L)
28412	Cesium 134, suspended total (pCi/L)
28412	Cesium 134, suspended (pCi/L)
28413	Cesium 134, suspended total, counting error (pCi/L)
28413	Cesium 134, suspended, counting error (pCi/L)
29633	Scandium 46, suspended total (pCi/L)
29633	Scandium 46, suspended (pCi/L)
29634	Scandium 46, suspended total, counting error (pCi/L)
29634	Scandium 46, suspended, counting error (pCi/L)
39332	Aldrin, suspended total (ug/L)
39332	Aldrin, suspended (ug/L)
39342	Lindane, suspended total (ug/L)
39342	Lindane, suspended (ug/L)
39353	Chlordane, suspended total (ug/L)
39353	Chlordane, suspended (ug/L)
39362	DDD, suspended total (ug/L)
39362	DDD, suspoended (ug/L)
39367	DDE, suspended total (ug/L)
39367	DDE, suspended (ug/L)
39372	DDT, suspended total (ug/L)
39372	DDT, suspended (ug/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39382	Dieldrin, suspended total (ug/L)
39382	Dieldrin, suspended (ug/L)
39392	Endrin, suspended total (ug/L)
39392	Endrin, suspended (ug/L)
39402	Toxaphene, suspended total (ug/L)
39402	Toxaphene, suspended (ug/L)
39412	Heptachlor, suspended total (ug/L)
39412	Heptachlor, suspended (ug/L)
39422	Heptachlor epoxide, suspended total (ug/L)
39422	Heptachlor epoxide, suspended (ug/L)
39432	Isodrin, suspended total (ug/L)
39432	Isodrin, suspended (ug/L)
39502	Aroclor, suspended total, 1248 PCB series (ug/L)
39502	Aroclor, suspended, 1248 PCB series (ug/L)
39506	Aroclor, suspended total, 1254 PCB series (ug/L)
39506	Aroclor, suspended, 1254 PCB series (ug/L)
39510	Aroclor, suspended total, 1260 PCB series (ug/L)
39510	Aroclor, suspended, 1260 PCB series (ug/L)
39518	PCB, suspended total (ug/L)
39518	PCB, suspended (ug/L)
39533	Malathion, suspended total (ug/L)
39533	Malathion, suspended (ug/L)
39543	Parathion, suspended total (ug/L)
39543	Parathion, suspended (ug/L)
39573	Diazinon, suspended total (ug/L)
39573	Diazinon, suspended (ug/L)
39603	Methyl parathion, suspended total (ug/L)
39603	Methyl parathion, suspended (ug/L)
39733	2,4-D, suspended total (ug/L)
39733	2,4-D, suspended (ug/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39743	2,4,5-T, suspended total (ug/L)
39743	2,4,5-T, suspended (ug/L)
39757	Mirex, suspended total (ug/L)
39757	Mirex, suspended (ug/L)
39763	Silvex, suspended total (ug/L)
39763	Silvex, suspended (ug/L)
70299	Solids, residue at 110 deg. C, suspended total (mg/L)
70299	Solids, residue at 110 deg. C, suspended (mg/L)
71895	Mercury, suspended recoverable (ug/L as Hg)
71895	Mercury, suspended (ug/L as Hg)
71900	Mercury, total recoverable (ug/L as Hg)
71900	Mercury, total (ug/L as Hg)
71921	Mercury, recoverable from bottom material (ug/g as Hg)
71921	Mercury, total in bottom material (ug/g as Hg)
80040	Gross alpha radioactivity, suspended total (ug/L as U natural)
80040	Gross alpha radioactivity, suspended (ug/L as U natural)
80060	Gross beta radioactivity, suspended total (pCi/L as Sr/Yt-90)
80060	Gross beta radioactivity, suspended (pCi/L as Sr/Yt-90)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39332	Aldrin, suspended total (ug/L)
39332	Aldrin, suspended (ug/L)
01505	Alpha, suspended total (pCi/L)
01505	Alpha, suspended (pCi/L)
01506	Alpha, suspended total, counting error (pCi/L)
01506	Alpha, suspended, counting error (pCi/L)
01105	Aluminum, total recoverable (ug/L as Al)
01105	Aluminum, total (ug/L as Al)
01107	Aluminum, suspended recoverable (ug/L as Al)
01107	Aluminum, suspended (ug/L as Al)
01108	Aluminum, recoverable from bottom material (ug/g as Al)
01108	Aluminum, total in bottom material (ug/g as Al)
01096	Antimony, suspended total (ug/L as Sb)
01096	Antimony, suspended (ug/L as Sb)
39502	Aroclor, suspended total, 1248 PCB series (ug/L)
39502	Aroclor, suspended, 1248 PCB series (ug/L)
39506	Aroclor, suspended total, 1254 PCB series (ug/L)
39506	Aroclor, suspended, 1254 PCB series (ug/L)
39510	Aroclor, suspended total, 1260 PCB series (ug/L)
39510	Aroclor, suspended, 1260 PCB series (ug/L)
01001	Arsenic, suspended total (mg/L as As)
01001	Arsenic, suspended (ug/L as As)
01006	Barium, suspended recoverable (ug/L as Ba)
01006	Barium, suspended (ug/L as Ba)
01007	Barium, total recoverable (ug/L as Ba)
01007	Barium, total (ug/L as Ba)
01008	Barium, recoverable from bottom material (ug/g as Ba)
01008	Barium, total in bottom material (ug/g as Ba)
01011	Beryllium, suspended recoverable (ug/L as Be)
01011	Beryllium, suspended (ug/L as Be)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01012	Beryllium, total recoverable (ug/L as Be)
01012	Beryllium, total (ug/L as Be)
01013	Beryllium, recoverable from bottom material (ug/g as Be)
01013	Beryllium, total in bottom material (ug/g as Be)
03505	Beta, suspended total (pCi/L)
03505	Beta, suspended (pCi/L)
03506	Beta, suspended total, counting error (pCi/L)
03506	Beta, suspended, counting error (pCi/L)
01016	Bismuth, suspended total (ug/L as Bi)
01016	Bismuth, suspended (ug/L as Bi)
01021	Boron, suspended recoverable (ug/L as B)
01021	Boron, suspended (ug/L as B)
01022	Boron, total recoverable (ug/L as B)
01022	Boron, total (ug/L as B)
01023	Boron, recoverable from bottom material (ug/g as B)
01023	Boron, total in bottom material (ug/g as B)
01026	Cadmium, suspended recoverable (ug/L as Cd)
01026	Cadmium, suspended (ug/L as Cd)
01027	Cadmium, total recoverable (ug/L as Cd)
01027	Cadmium, total (ug/L as Cd)
01028	Cadmium, recoverable from bottom material (ug/g as Cd)
01028	Cadmium, total in bottom material (ug/g as Cd)
00916	Calcium, total recoverable (mg/L as Ca)
00916	Calcium, total (mg/L as Ca)
07052	Calcium 45, suspended total (pCi/L)
07052	Calcium 45, suspended (pCi/L)
07053	Calcium 45, suspended total, counting error (pCi/L)
07053	Calcium 45, suspended, counting error (pCi/L)
00683	Carbon, organic, suspended total (mg/L as C)
00683	Carbon, organic, suspended (mg/L as C)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
00688	Carbon, inorganic, suspended total (mg/L as C)
00688	Carbon, inorganic, suspended (mg/L as C)
00689	Carbon, organic, suspended total (mg/L as C)
00689	Carbon, organic, suspended (mg/L as C)
00694	Carbon, inorganic plus organic, suspended total (mg/L as C)
00694	Carbon, inorganic plus organic, suspended (mg/L as C)
01116	Cesium, suspended total (ug/L as Cs)
01116	Cesium, suspended (ug/L as Cs)
28404	Cesium 137, suspended total (pCi/L)
28404	Cesium 137, suspended (pCi/L)
28405	Cesium 137, suspended total, counting error (pCi/L)
28405	Cesium 137, suspended, counting error (pCi/L)
28412	Cesium 134, suspended total (pCi/L)
28412	Cesium 134, suspended (pCi/L)
28413	Cesium 134, suspended total, counting error (pCi/L)
28413	Cesium 134, suspended, counting error (pCi/L)
39353	Chlordane, suspended total (ug/L)
39353	Chlordane, suspended (ug/L)
01029	Chromium, recoverable from bottom material (ug/g as Cr)
01029	Chromium, total in bottom material (ug/g as Cr)
01031	Chromium, suspended recoverable (ug/L as Cr)
01031	Chromium, suspended (ug/L as Cr)
01034	Chromium, total recoverable (ug/L as Cr)
01034	Chromium, total (ug/L as Cr)
01036	Cobalt, suspended recoverable (ug/L as Co)
01036	Cobalt, suspended (ug/L as Co)
01037	Cobalt, total recoverable (ug/L as Co)
01037	Cobalt, total (ug/L as Co)
01038	Cobalt, recoverable from bottom material (ug/g as Co)
01038	Cobalt, total in bottom material (ug/g as Co)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01041	Copper, suspended recoverable (ug/L as Cu)
01041	Copper, suspended (ug/L as Cu)
01042	Copper, Total recoverable (ug/L as Cu)
01042	Copper, total (ug/L as Cu)
01043	Copper, recoverable from bottom material (ug/g as Cu)
01043	Copper, total in bottom material (ug/g as Cu)
39362	DDD, suspended total (ug/L)
39362	DDD, suspoended (ug/L)
39367	DDE, suspended total (ug/L)
39367	DDE, suspended (ug/L)
39372	DDT, suspended total (ug/L)
39372	DDT, suspended (ug/L)
39573	Diazinon, suspended total (ug/L)
39573	Diazinon, suspended (ug/L)
39382	Dieldrin, suspended total (ug/L)
39382	Dieldrin, suspended (ug/L)
39392	Endrin, suspended total (ug/L)
39392	Endrin, suspended (ug/L)
01121	Gallium, suspended total (ug/L as Ga)
01121	Gallium, suspended (ug/L as Ga)
01126	Germanium, suspended total (ug/L as Ge)
01126	Germanium, suspended (ug/L as Ge)
01516	Gross alpha radioactivity, suspended total (pCi/L as U natural)
01516	Gross alpha radioactivity, suspended (pCi/L as U natural)
01517	Gross alpha radioactivity, suspended total (pCi/g as U natural)
01517	Gross alpha radioactivity, suspended (pCi/g as U natural)
01518	Gross alpha radioactivity, suspended total (ug/g as U natural)
01518	Gross alpha radioactivity, suspended (ug/g as U natural)
80040	Gross alpha radioactivity, suspended total (ug/L as U natural)
80040	Gross alpha radioactivity, suspended (ug/L as U natural)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
80060	Gross beta radioactivity, suspended total (pCi/L as Sr/Yt-90)
80060	Gross beta radioactivity, suspended (pCi/L as Sr/Yt-90)
03516	Gross beta radioactivity, suspended total (pCi/L as Cs-137)
03516	Gross beta radioactivity, suspended (pCi/L as Cs-137)
03517	Gross beta radioactivity, suspended total (pCi/g as Sr/Yt-90)
03517	Gross beta radioactivity, suspended (pCi/g as Sr/Yt-90)
03518	Gross beta radioactivity, suspended total (pCi/g as Cs-137)
03518	Gross Beta radioactivity, suspended (pCi/g as Cs-137)
39412	Heptachlor, suspended total (ug/L)
39412	Heptachlor, suspended (ug/L)
39422	Heptachlor epoxide, suspended total (ug/L)
39422	Heptachlor epoxide, suspended (ug/L)
01044	Iron, suspended recoverable (ug/L as Fe)
01044	Iron, suspended (ug/L as Fe)
01045	Iron, total recoverable (ug/L as Fe)
01045	Iron, total (ug/L as Fe)
01170	Iron, recoverable from bottom material (ug/g as Fe)
01170	Iron, total in bottom material (ug/g as Fe)
07062	Iron 59, suspended total (pCi/L)
07062	Iron 59, suspended (pCi/L)
07063	Iron 59, suspended total, counting error (pCi/L)
07063	Iron 59, suspended, counting error (pCi/L)
39432	Isodrin, suspended total (ug/L)
39432	Isodrin, suspended (ug/L)
01050	Lead, suspended recoverable (ug/L as Pb)
01050	Lead, suspended (ug/L as Pb)
01051	Lead, total recoverable (ug/L as Pb)
01051	Lead, total (ug/L as Pb)
01052	Lead, recoverable from bottom material (ug/g as Pb)
01052	Lead, total in bottom material (ug/g as Pb)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39342	Lindane, suspended total (ug/L)
39342	Lindane, suspended (ug/L)
01131	Lithium, suspended recoverable (ug/L as Li)
01131	Lithium, suspended (ug/L as Li)
01132	Lithium, total recoverable (ug/L as Li)
01132	Lithium, total (ug/L as Li)
00926	Magnesium, suspended recoverable (mg/L as Mg)
00926	Magnesium, suspended (mg/L as Mg)
00927	Magnesium, total recoverable (mg/L as Mg)
00927	Magnesium, total (mg/L as Mg)
39533	Malathion, suspended total (ug/L)
39533	Malathion, suspended (ug/L)
01053	Manganese, recoverable from bottom material (ug/g as Mn)
01053	Manganese, total in bottom material (ug/g as Mn)
01054	Manganese, suspended recoverable (ug/L as Mn)
01054	Manganese, suspended (ug/L as Mn)
01055	Manganese, total recoverable (ug/L as Mn)
01055	Manganese, total (ug/L as Mn)
71895	Mercury, suspended recoverable (ug/L as Hg)
71895	Mercury, suspended (ug/L as Hg)
71900	Mercury, total recoverable (ug/L as Hg)
71900	Mercury, total (ug/L as Hg)
71921	Mercury, recoverable from bottom material (ug/g as Hg)
71921	Mercury, total in bottom material (ug/g as Hg)
39603	Methyl parathion, suspended total (ug/L)
39603	Methyl parathion, suspended (ug/L)
39757	Mirex, suspended total (ug/L)
39757	Mirex, suspended (ug/L)
01061	Molybdenum, suspended recoverable (ug/L as Mo)
01061	Molybdenum, suspended (ug/L as Mo)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01062	Molybdenum, total recoverable (ug/L as Mo)
01062	Molybdenum, total (ug/L as Mo)
01063	Molybdenum, recoverable from bottom material (ug/g as Mo)
01063	Molybdenum, total in bottom material (ug/g as Mo)
01066	Nickel, suspended recoverable (ug/L as Ni)
01066	Nickel, suspended (ug/L as Ni)
01067	Nickel, total recoverable (ug/L as Ni)
01067	Nickel, total (ug/L as Ni)
01068	Nickel, recoverable from bottom material (ug/g as Ni)
01068	Nickel, total in bottom material (ug/g as Ni)
00623	Nitrogen, ammonia plus organic, dissolved (mg/L as N)
00623	Nitrogen, kjeldahl, dissolved (mg/L as N)
00624	Nitrogen, ammonia plus organic, suspended total (mg/L as N)
00624	Nitrogen, kjeldahl, suspended (mg/L as N)
00625	Nitrogen, ammonia plus organic, total (mg/L as N)
00625	Nitrogen, kjeldahl, total (mg/L as N)
00626	Nitrogen, ammonia plus organic, total in bottom material, dry wt (mg/kg as N)
00626	Nitrogen, kjeldahl, total in bottom material, dry wt (mg/kg as N)
39543	Parathion, suspended total (ug/L)
39543	Parathion, suspended (ug/L)
39518	PCB, suspended total (ug/L)
39518	PCB, suspended (ug/L)
09505	Radium 226, suspended total (pCi/L)
09505	Radium 226, suspended (pCi/L)
07082	Rhodamine Wt, suspended total (ug/L)
07082	Rhodamine Wt, suspended (ug/L)
01136	Rubidium, suspended total (ug/L as Rb)
01136	Rubidium, suspended (ug/L as Rb)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
29633	Scandium 46, suspended total (pCi/L)
29633	Scandium 46, suspended (pCi/L)
29634	Scandium 46, suspended total, counting error (pCi/L)
29634	Scandium 46, suspended, counting error (pCi/L)
01146	Selenium, suspended total (ug/L as Se)
01146	Selenium, suspended (ug/L as Se)
07102	Selenium 75, suspended total (pCi/L)
07102	Selenium 75, suspended (pCi/L)
07103	Selenium 75, suspended total, counting error (pCi/L)
07103	Selenium 75, suspended, counting error (pCi/L)
01076	Silver, suspended recoverable (ug/L as Ag)
01076	Silver, suspended (ug/L as Ag)
01077	Silver, total recoverable (ug/L as Ag)
01077	Silver, total (ug/L as Ag)
01078	Silver, recoverable from bottom material (ug/g as Ag)
01078	Silver, total in bottom material (ug/g as Ag)
07122	Silver 110, suspended total (pCi/L)
07122	Silver 110, suspended (pCi/L)
07123	Silver 110, suspended total, counting error (pCi/L)
07123	Silver 110, suspended, counting error (pCi/L)
39763	Silvex, suspended total (ug/L)
39763	Silvex, suspended (ug/L)
70299	Solids, residue at 110 deg. C, suspended total (mg/L)
70299	Solids, residue at 110 deg. C, suspended (mg/L)
01081	Strontium, suspended recoverable (ug/L as Sr)
01081	Strontium, suspended (ug/L as Sr)
01082	Strontium, total recoverable (ug/L as Sr)
01082	Strontium, total (ug/L as Sr)
01083	Strontium, recoverable from bottom material (ug/g as Sr)
01083	Strontium, total in bottom material (ug/g as Sr)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
13505	Strontium 90, suspended total (pCi/L)
13505	Strontium 90, suspended (pCi/L)
13506	Strontium 90, suspended total, counting error (pCi/L)
13506	Strontium 90, suspended, counting error (pCi/L)
07142	Sulfur 35, suspended total (pCi/L)
07142	Sulfur 35, suspended (pCi/L)
07143	Sulfur 35, suspended total, counting error (pCi/L)
07143	Sulfur 35, suspended, counting error (pCi/L)
01101	Tin, suspended recoverable (ug/L as Sn)
01101	Tin, suspended (ug/L as Sn)
01102	Tin, total recoverable (ug/L as Sn)
01102	Tin, total (ug/L as Sn)
01151	Titanium, suspended total (ug/L as Ti)
01151	Titanium, suspended (ug/L as Ti)
39402	Toxaphene, suspended total (ug/L)
39402	Toxaphene, suspended (ug/L)
07010	Tritium, suspended total (pCi/L)
07010	Tritium, suspended (pCi/L)
07011	Tritium, suspended total, counting error (pCi/L)
07011	Tritium, suspended, counting error (pCi/L)
07014	Tritium, suspended total, counting error (tritium units)
07014	Tritium, suspended, counting error (tritium units)
07016	Tritium, suspended total (tritium units)
07016	Tritium, suspended (tritium units)
22705	Uranium, natural, suspended total (ug/L as U natural)
22705	Uranium, natural, suspended (ug/L as U natural)
01086	Vanadium, suspended total (ug/L as V)
01086	Vanadium, suspended (ug/L as V)
01091	Zinc, suspended recoverable (ug/L as Zn)
01091	Zinc, suspended (ug/L as Zn)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01092	Zinc, total recoverable (ug/L as Zn)
01092	Zinc, total (ug/L as Zn)
01093	Zinc, recoverable from bottom material (ug/g as Zn)
01093	Zinc, total in bottom material (ug/g as Zn)
01161	Zirconium, suspended total (ug/L as Zr)
01161	Zirconium, suspended (ug/L as Zr)
39733	2,4-D, suspended total (ug/L)
39733	2,4-D, suspended (ug/L)
39743	2,4,5-T, suspended total (ug/L)
39743	2,4,5-T, suspended (ug/L)

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	$2.54\text{x}10^{1}$	millimeters (mm)
	$2.54\text{x}10^{-2}$	meters (m)
feet (ft)	$3.048\text{x}10^{-1}$	meters (m)
miles (mi)	$1.609\text{x}10^{0}$	kilometers (km)
	Area	
acres	$4.047\text{x}10^{3}$	square meters (m^2)
	$4.047\text{x}10^{-1}$	square hectometers (hm^2)
	$4.047\text{x}10^{-3}$	square kilometers (km^2)
square miles (mi^2)	$2.590\text{x}10^{0}$	square kilometers (km^2)
	Volume	
gallons (gal)	$3.785\text{x}10^{0}$	liters (L)
	$3.785\text{x}10^{0}$	cubic decimeters (dm^3)
	$3.785\text{x}10^{-3}$	cubic meters (m^3)
million gallons	$3.785\text{x}10^{3}$	cubic meters (m^3)
	$3.785\text{x}10^{-3}$	cubic hectometers (hm^3)
cubic feet (ft^3)	$2.832\text{x}10^{1}$	cubic decimeters (dm^3)
	$2.832\text{x}10^{-2}$	cubic meters (m^3)
cfs-days	$2.447\text{x}10^{3}$	cubic meters (m^3)
	$2.447\text{x}10^{-3}$	cubic hectometers (hm^3)
acre-feet (acre-ft)	$1.233\text{x}10^{3}$	cubic meters (m^3)
	$1.233\text{x}10^{-3}$	cubic hectometers (hm^3)
	$1.233\text{x}10^{-6}$	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	$2.832\text{x}10^{1}$	liters per second (L/s)
	$2.832\text{x}10^{1}$	cubic decimeters per second (dm^3/s)
	$2.832\text{x}10^{-2}$	cubic meters per second (m^3/s)
gallons per minute (gal/min)	$6.309\text{x}10^{-2}$	liters per second (L/s)
	$6.309\text{x}10^{-2}$	cubic decimeters per second (dm^3/s)
	$6.309\text{x}10^{-5}$	cubic meters per second (m^3/s)
million gallons per day	$4.381\text{x}10^{1}$	cubic decimeters per second (dm^3/s)
	$4.381\text{x}10^{-2}$	cubic meters per second (m^3/s)
	Mass	
tons (short)	$9.072\text{x}10^{-1}$	megagrams (Mg) or metric tons